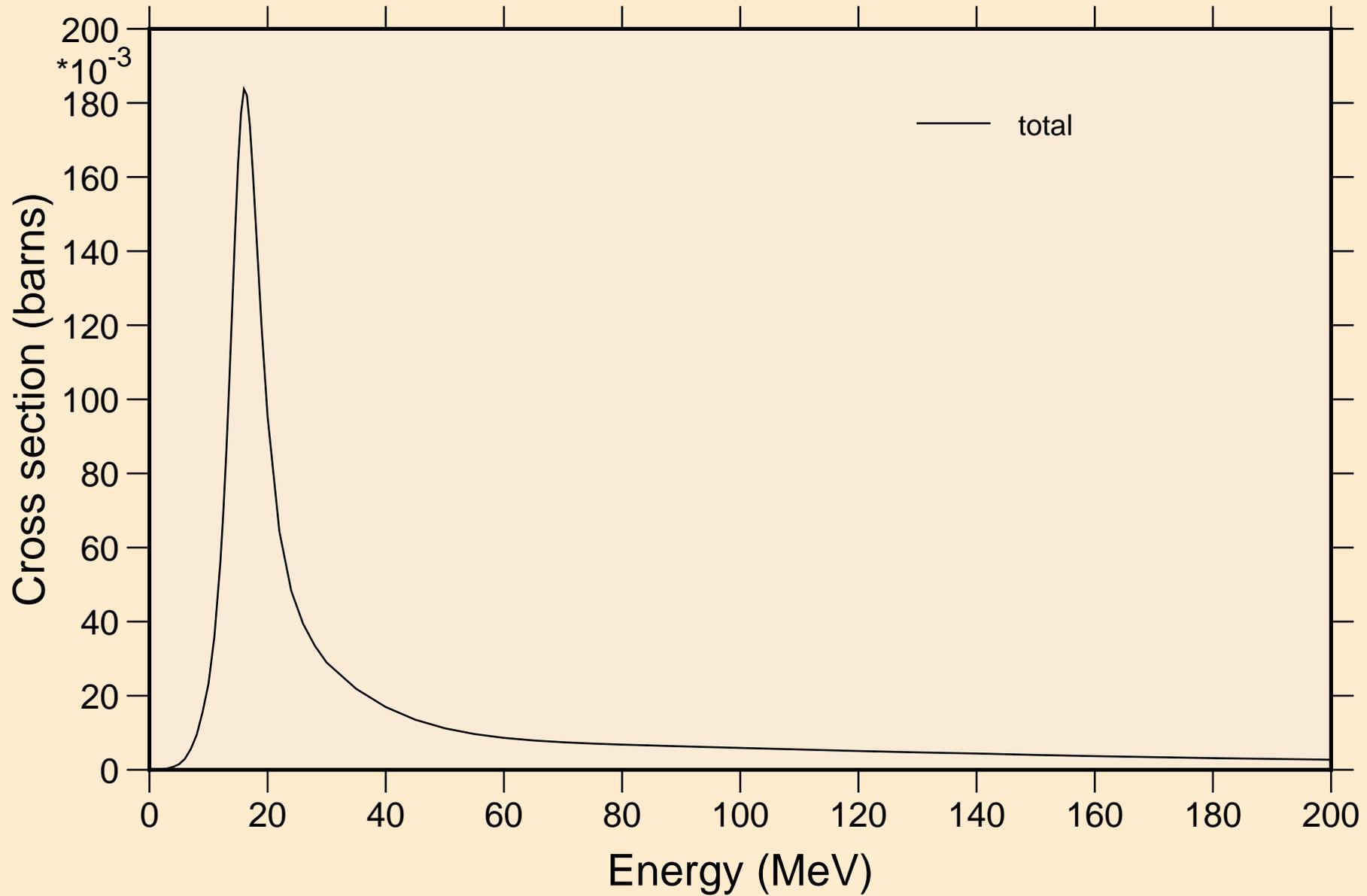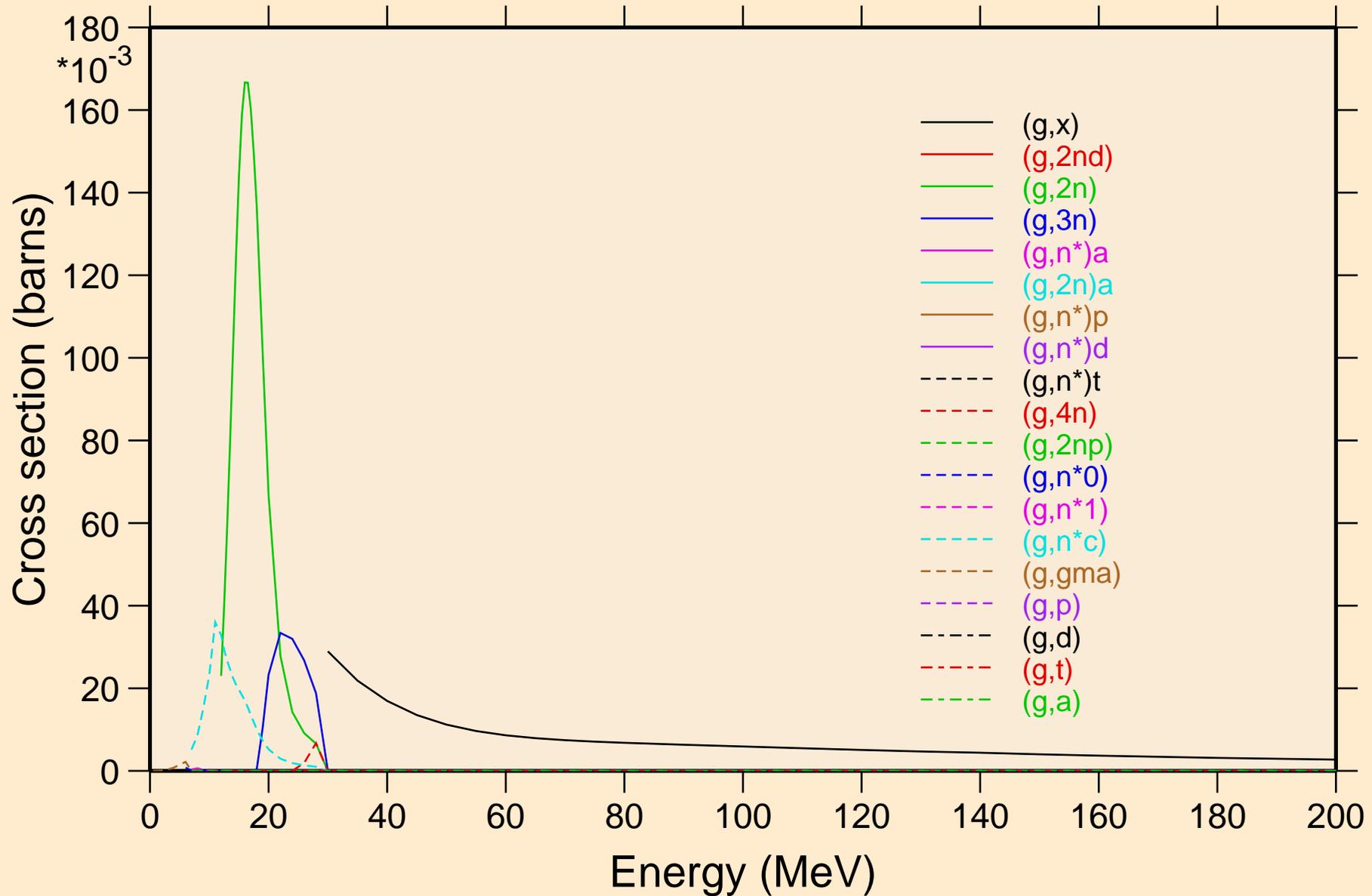RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
Principal cross sections
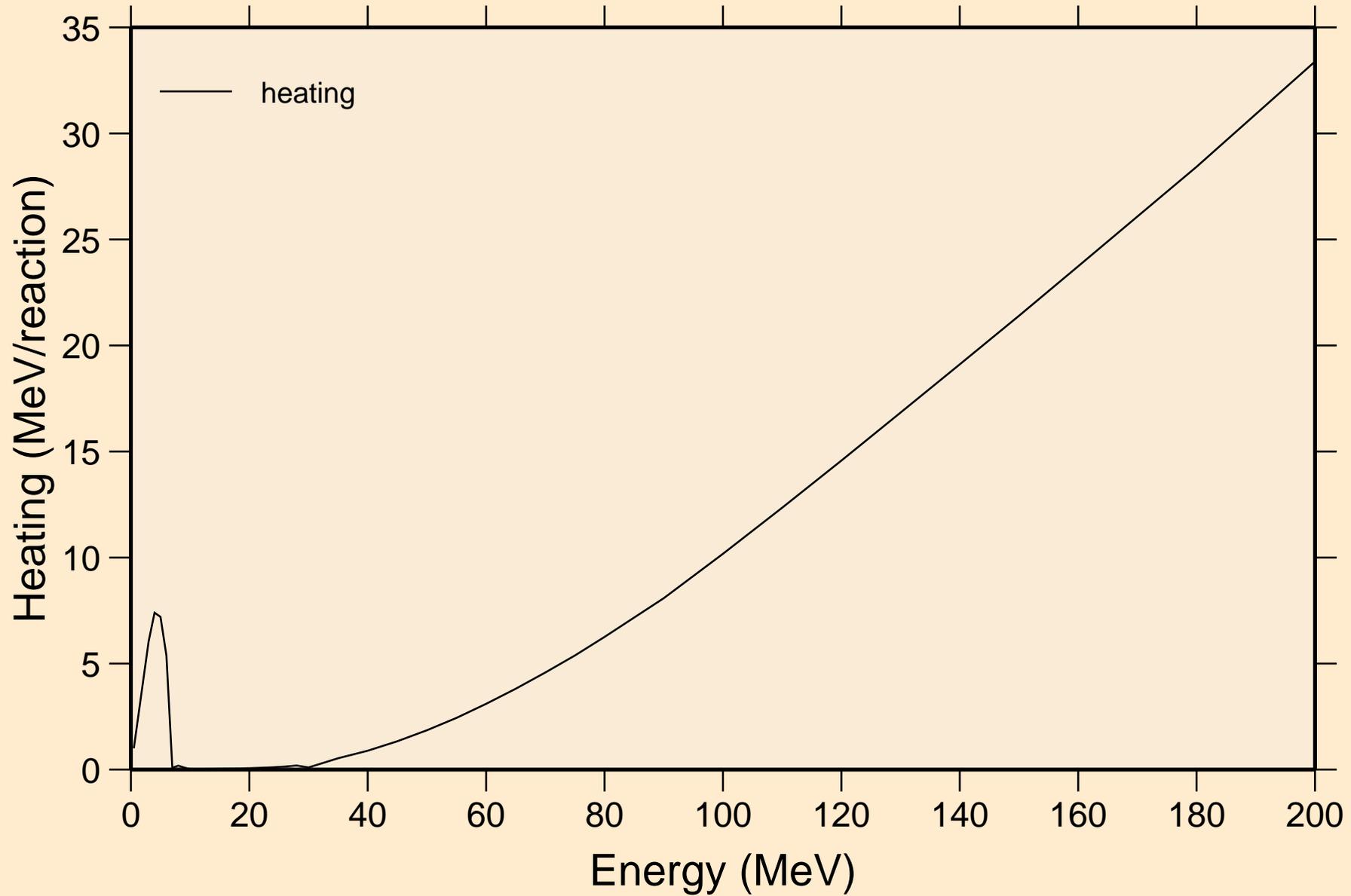
RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
Partial cross sections

Cross section (barns)
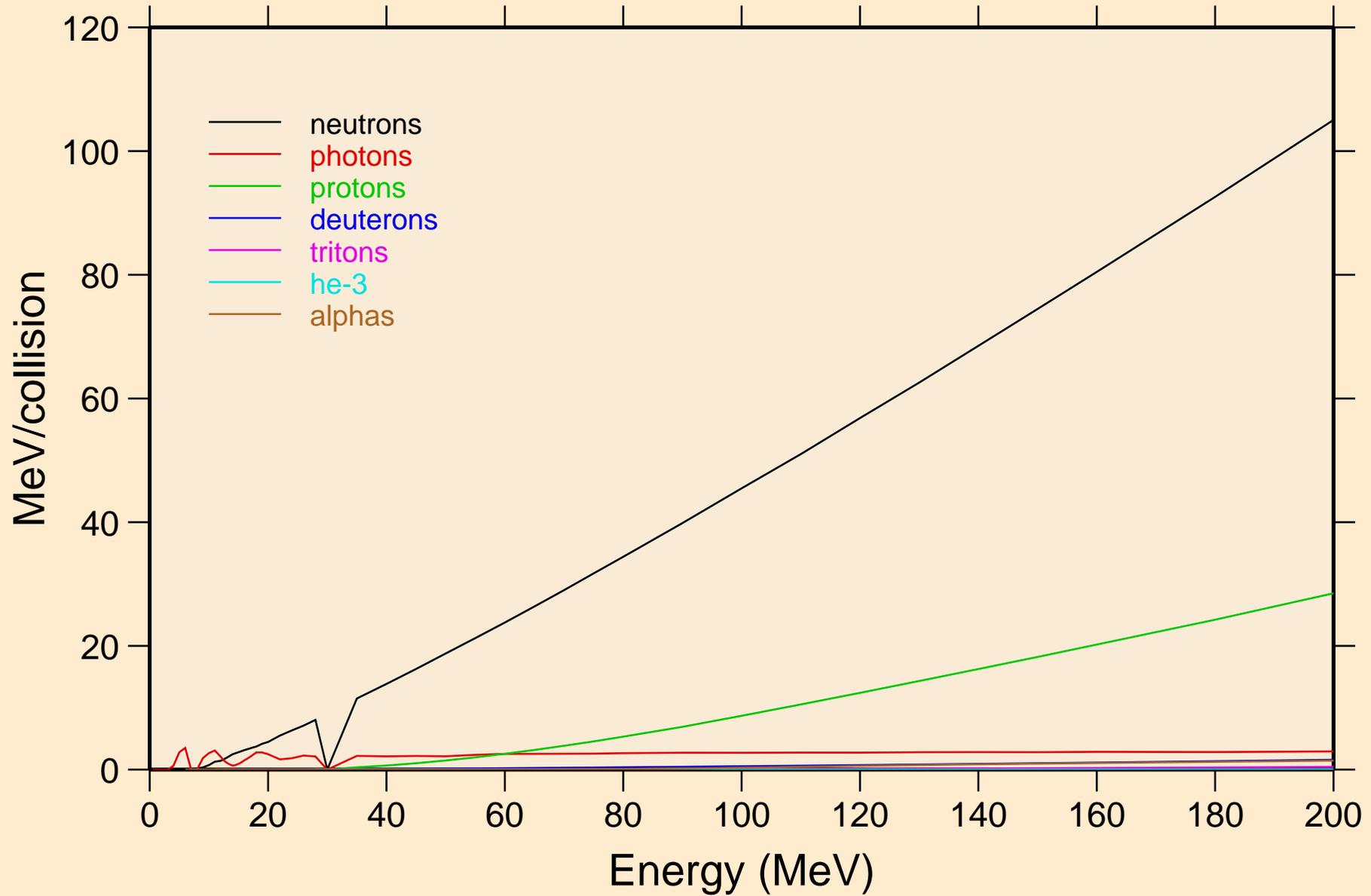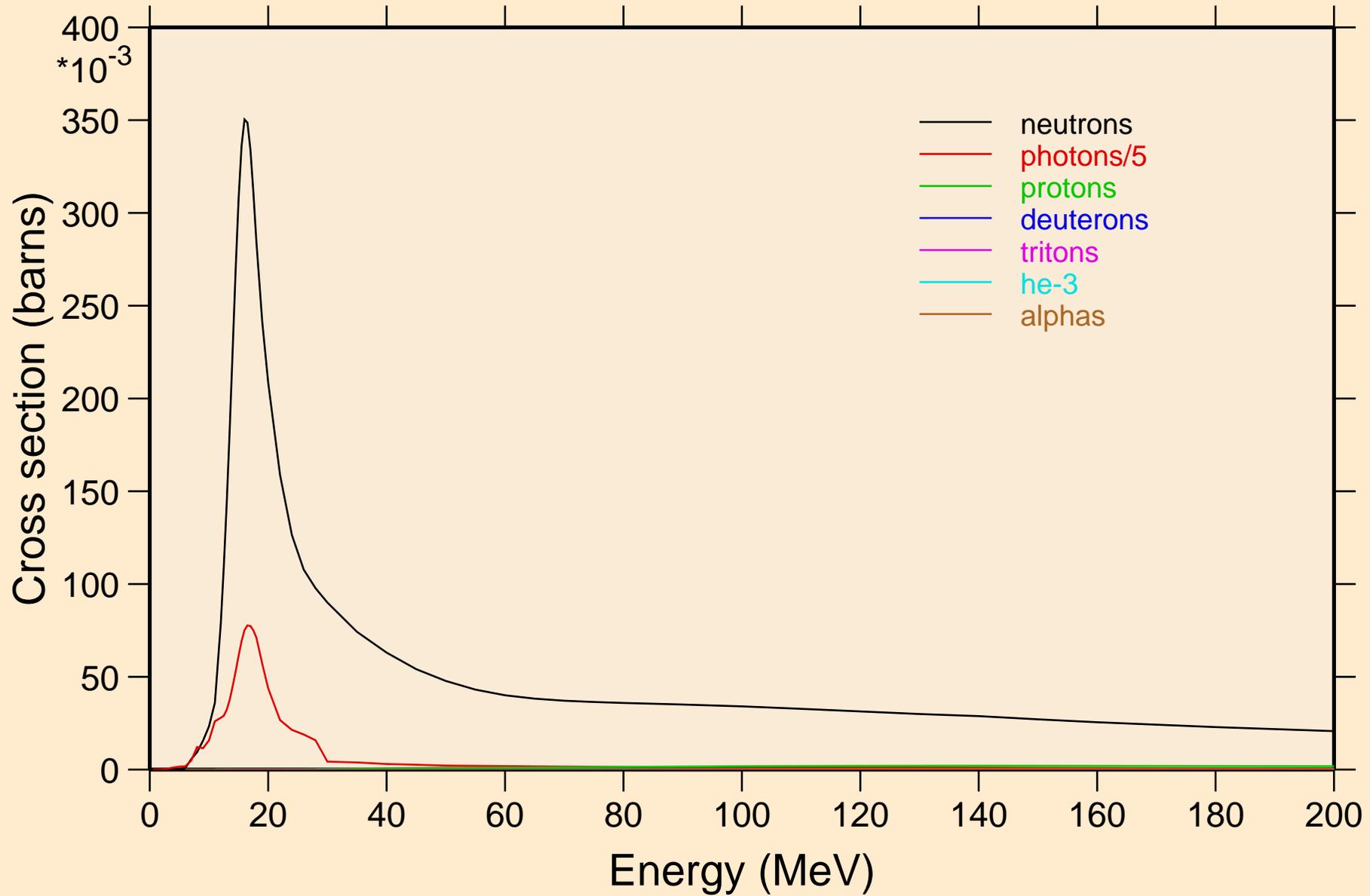
Energy (MeV)

(g,x)
(g,2nd)
(g,2n)
(g,3n)
(g,n*)a
(g,2n)a
(g,n*)p
(g,n*)d
(g,n*)t
(g,4n)
(g,2np)
(g,n*0)
(g,n*1)
(g,n*c)
(g,gma)
(g,p)
(g,d)
(g,t)
(g,a)

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
Heating

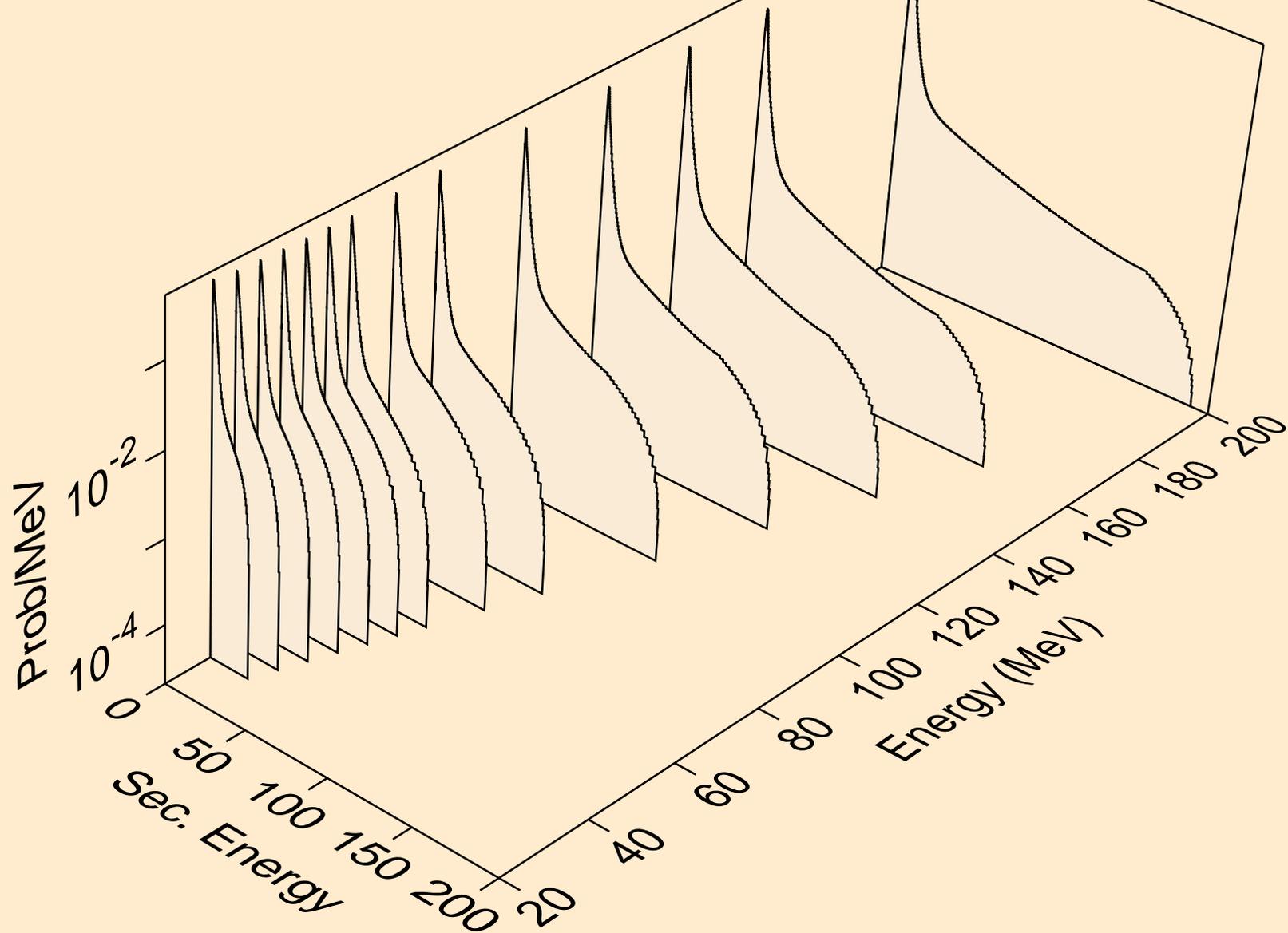RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
Particle heating contributions

Legend:
- neutrons
- photons
- protons
- deuterons
- tritons
- he-3
- alphas

X-axis: Energy (MeV)
Y-axis: MeV/collision

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
Particle production cross sections

Cross section (barns) vs Energy (MeV)

- neutrons
- photons/5
- protons
- deuterons
- tritons
- he-3
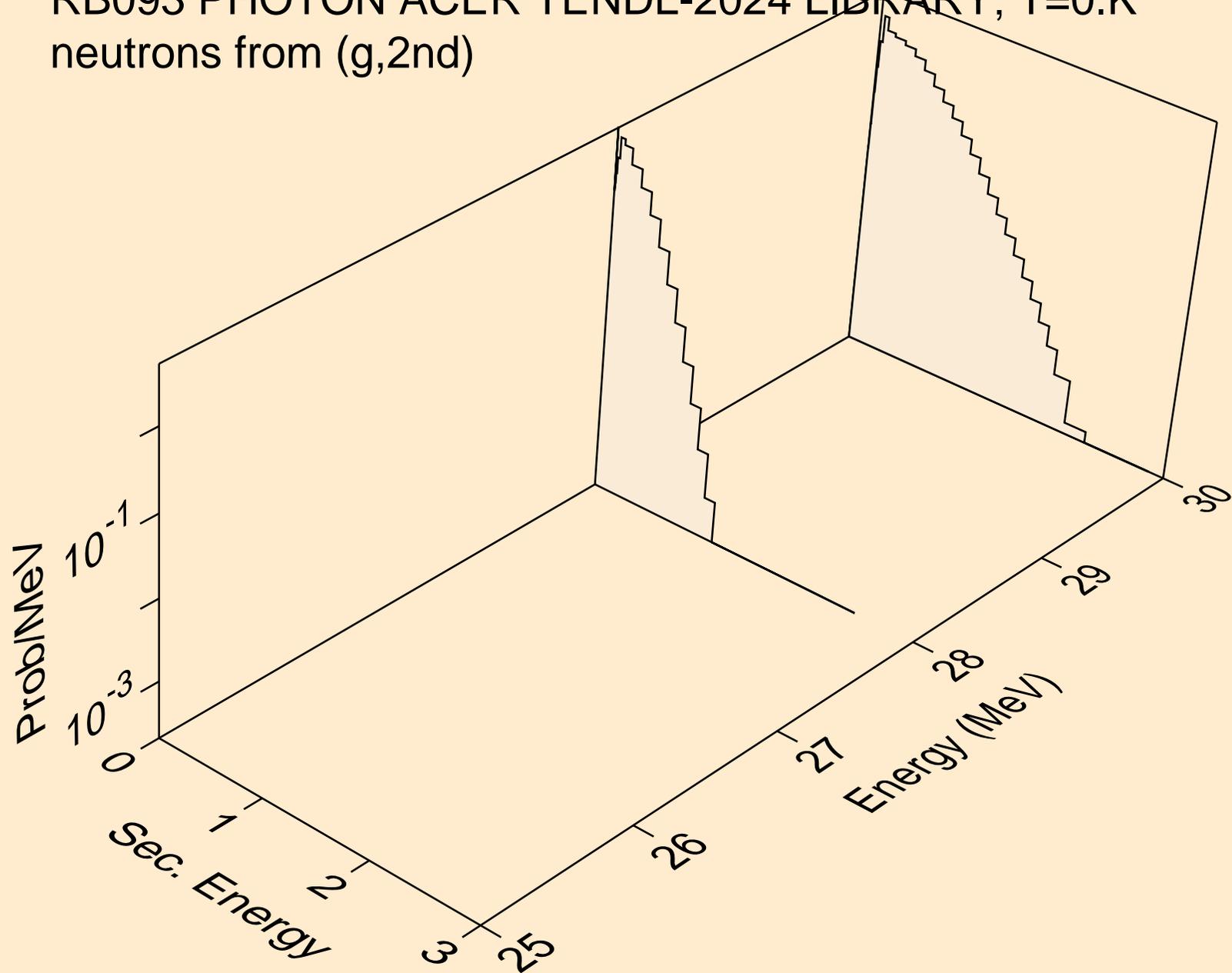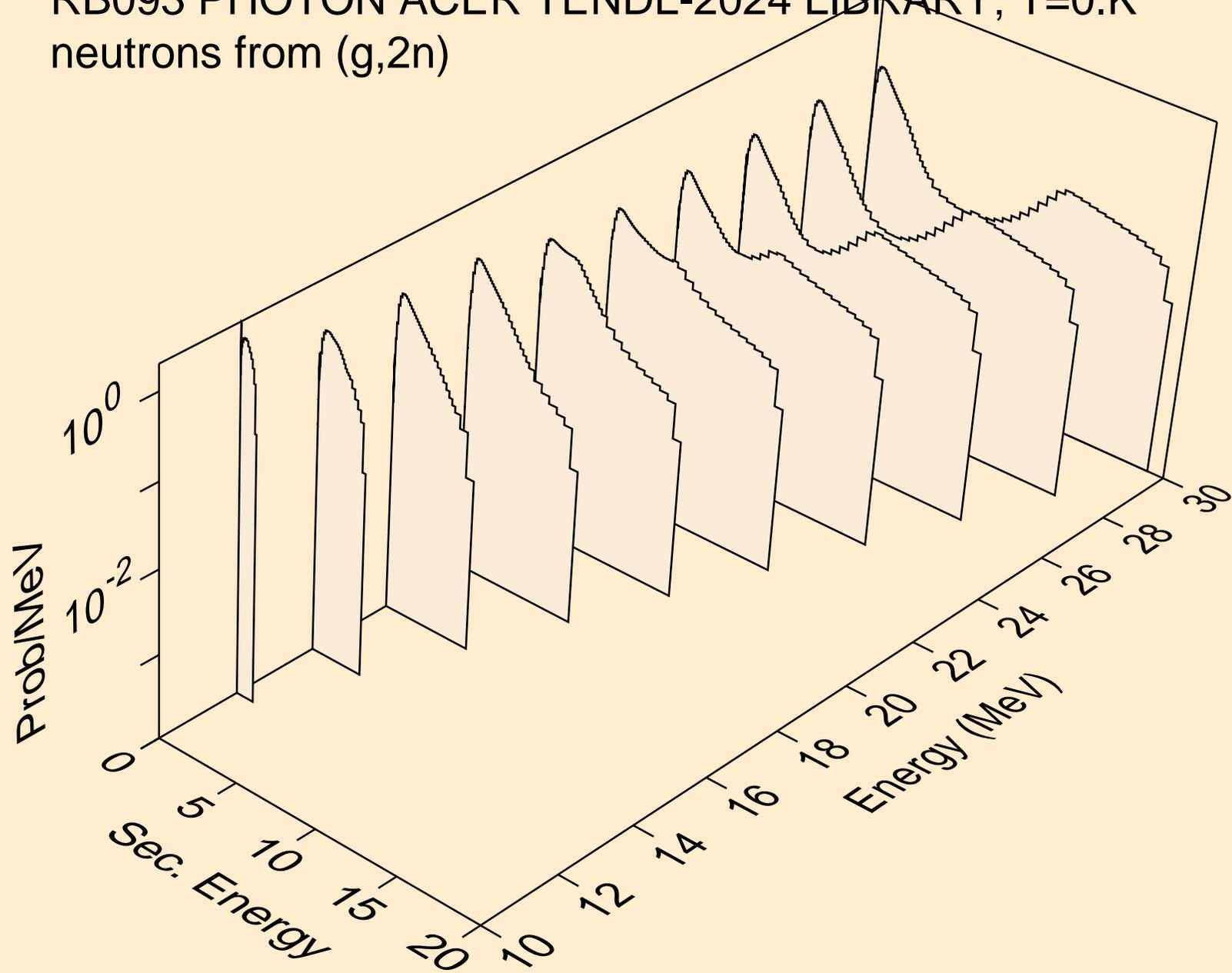- alphas

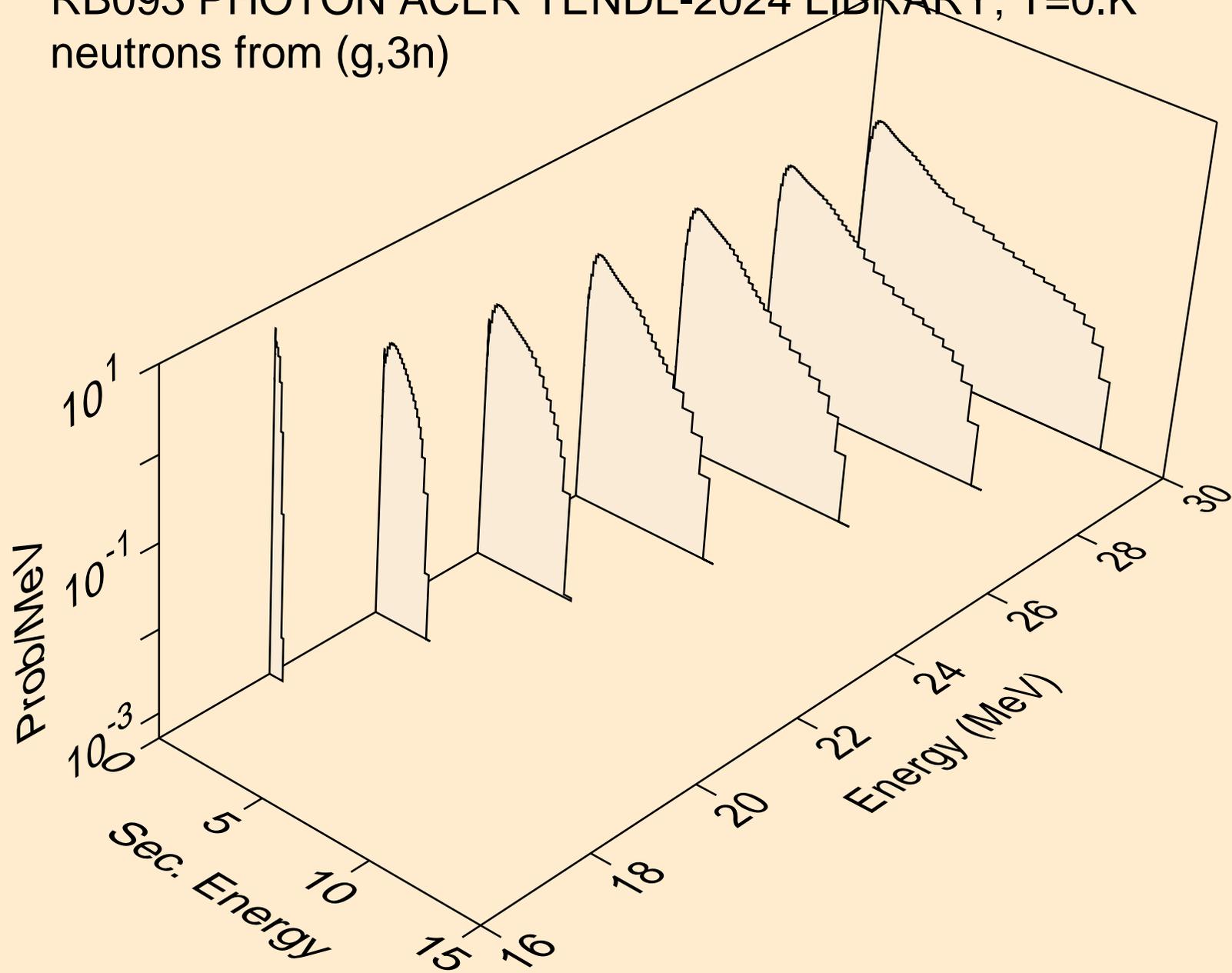RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,x)

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
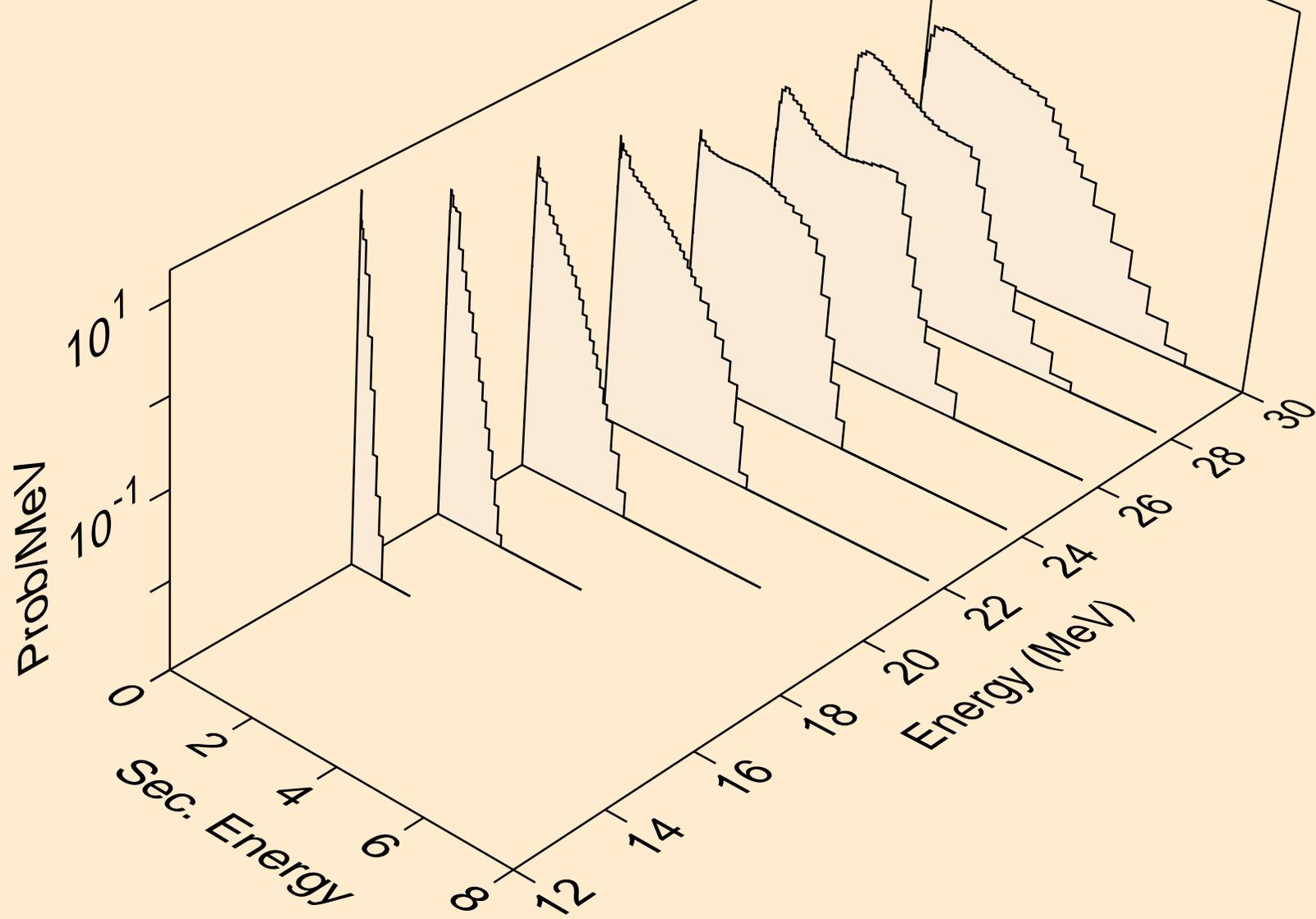neutrons from (g,2nd)

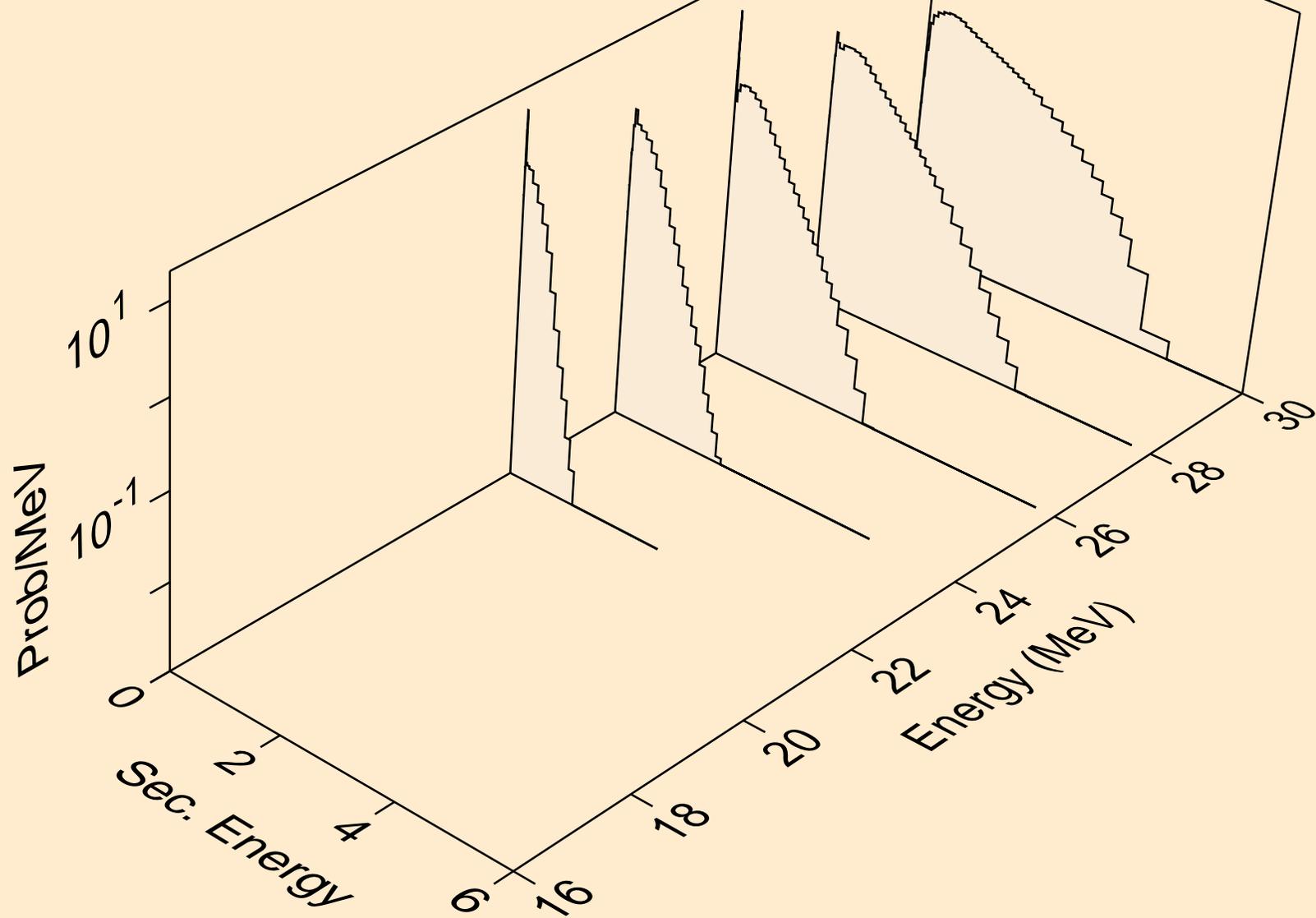RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,2n)

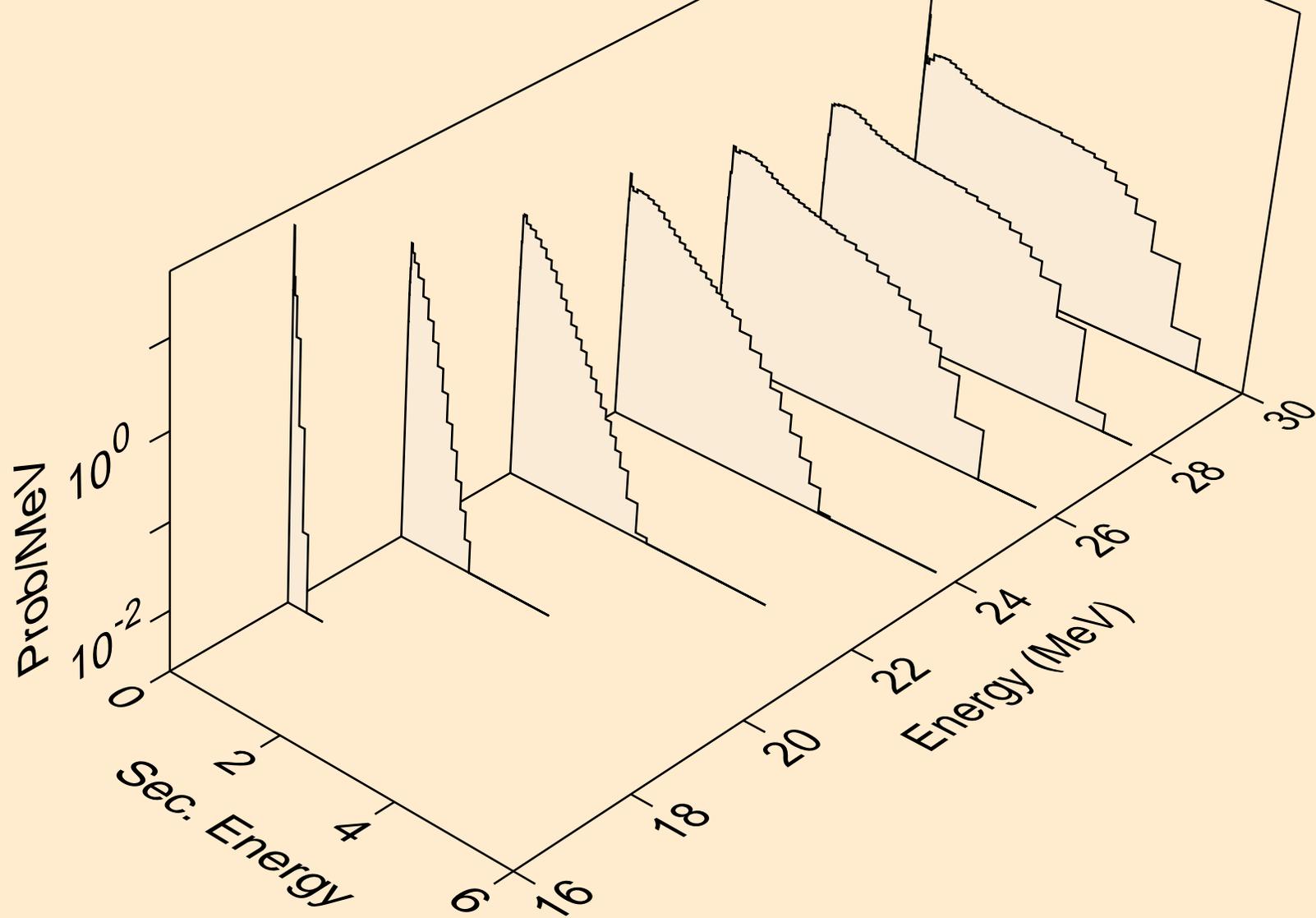RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,3n)

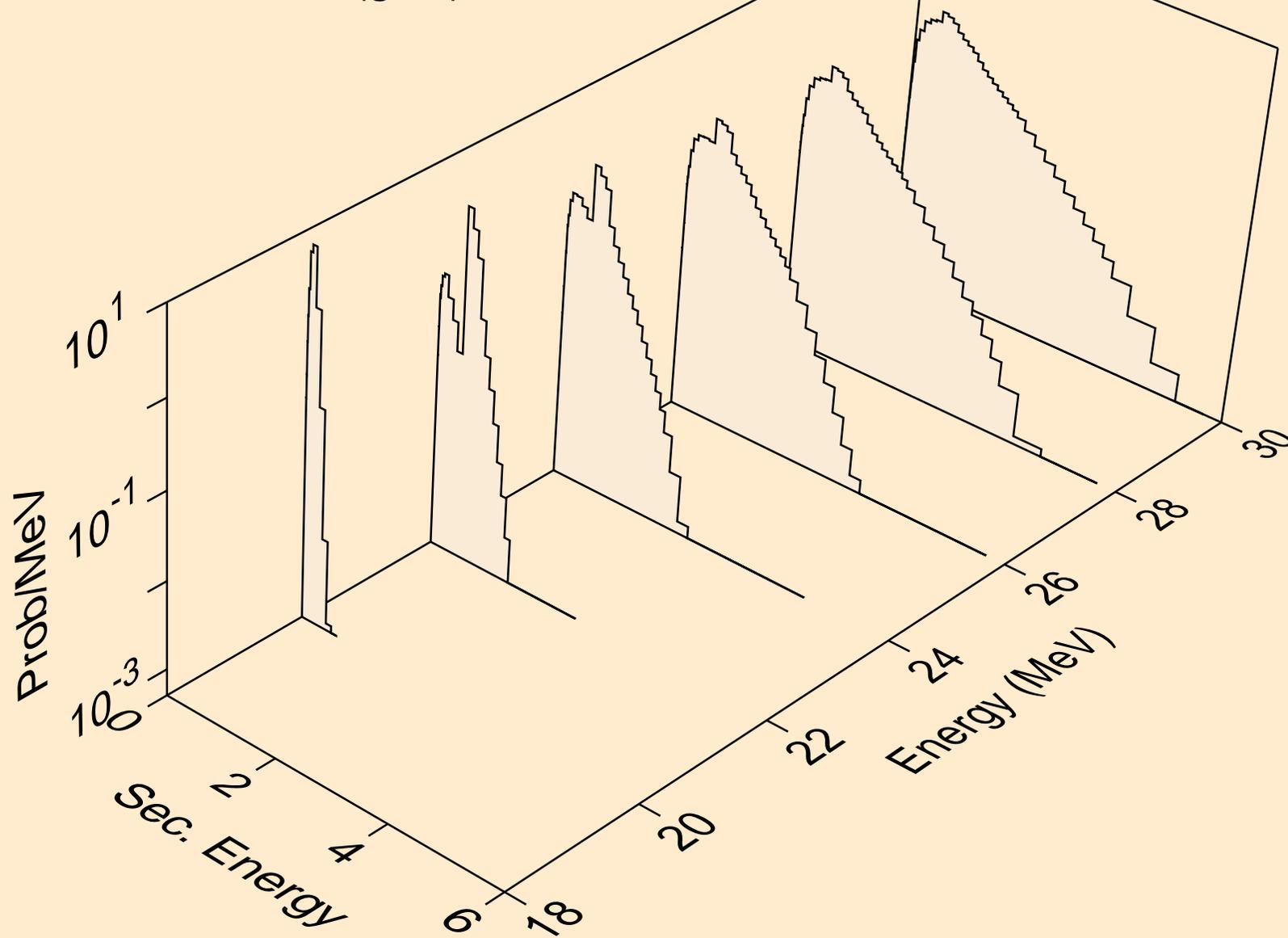RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,n*)a

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
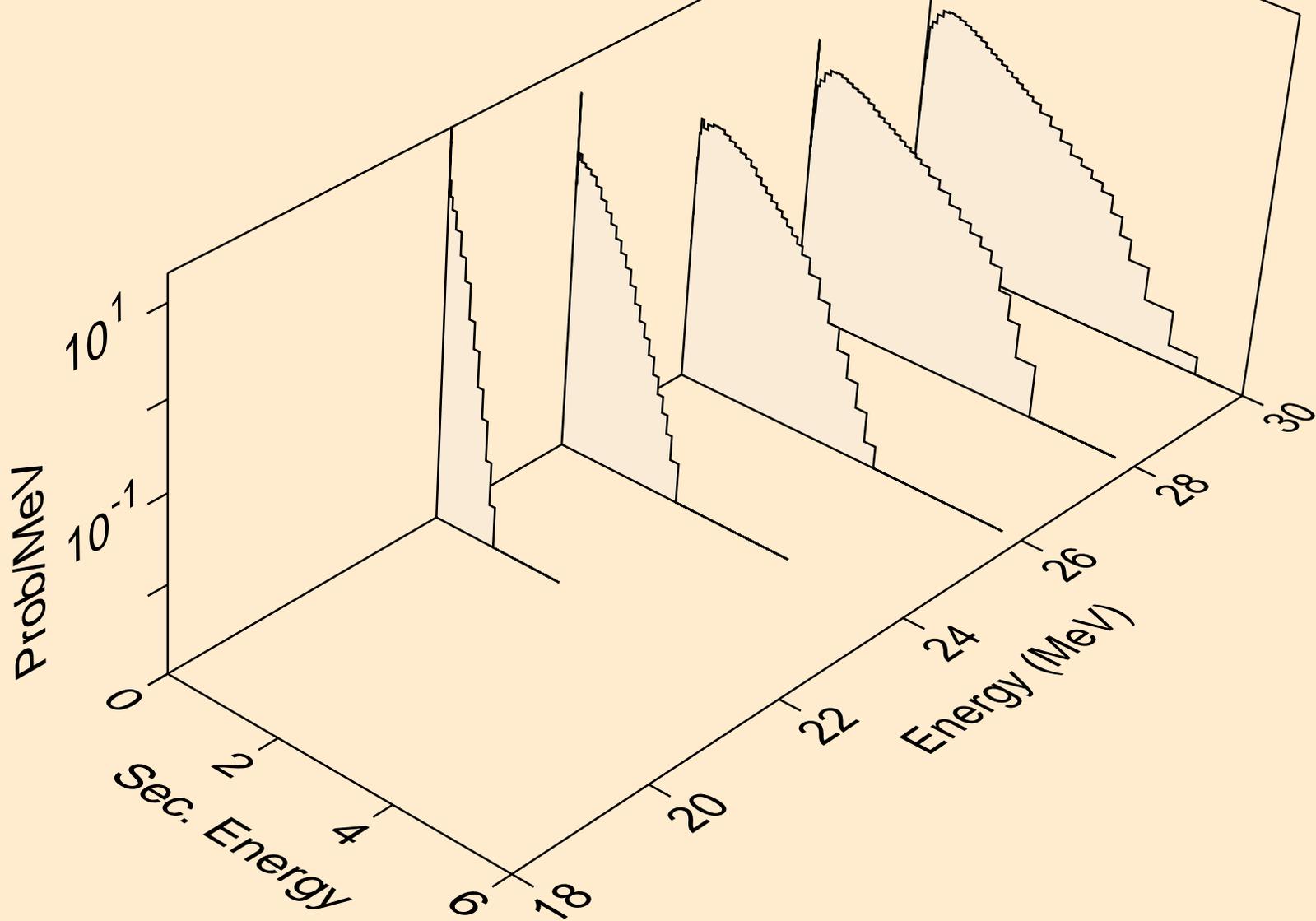neutrons from (g,2n)a

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
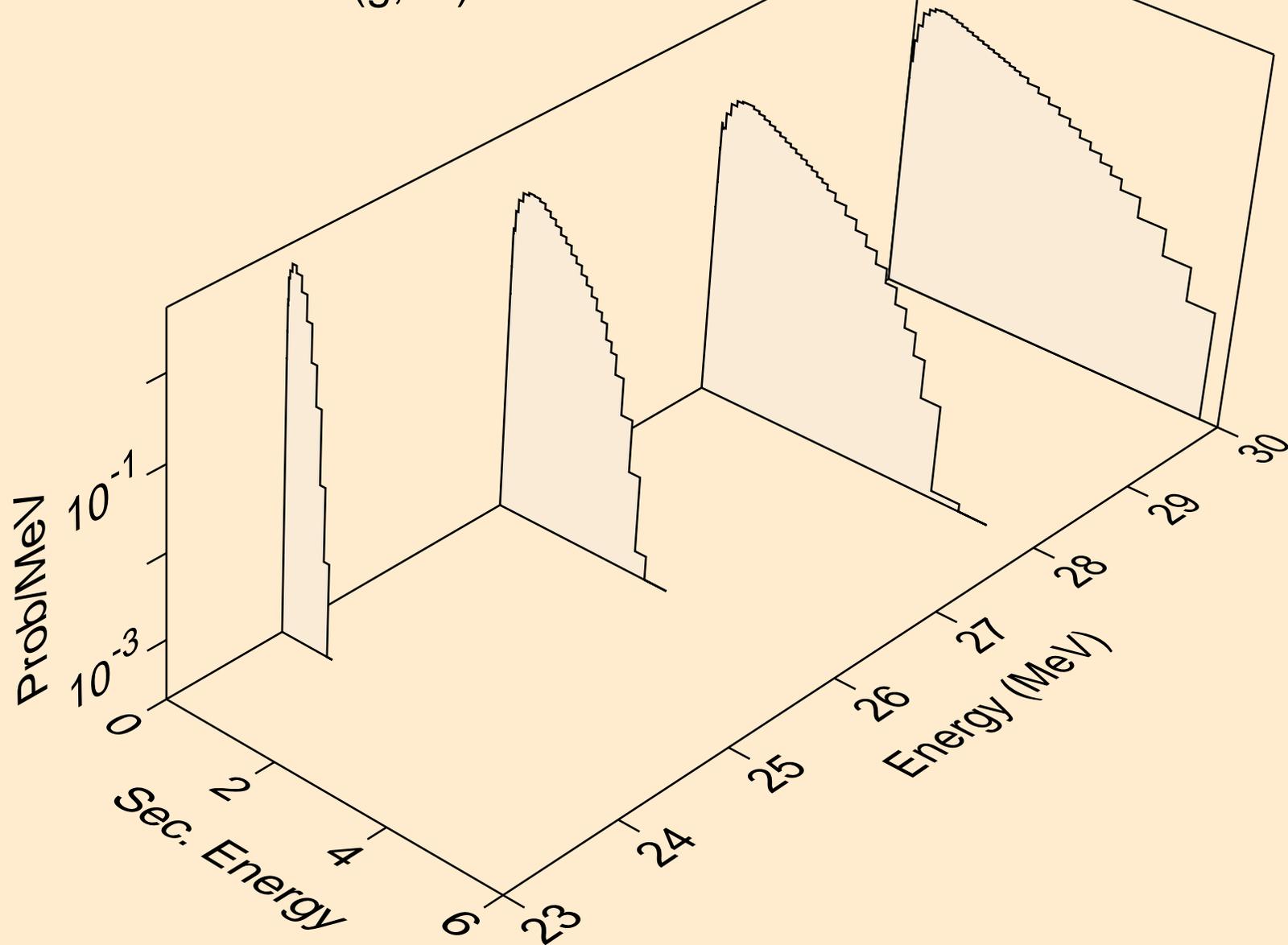neutrons from (g,n*)p

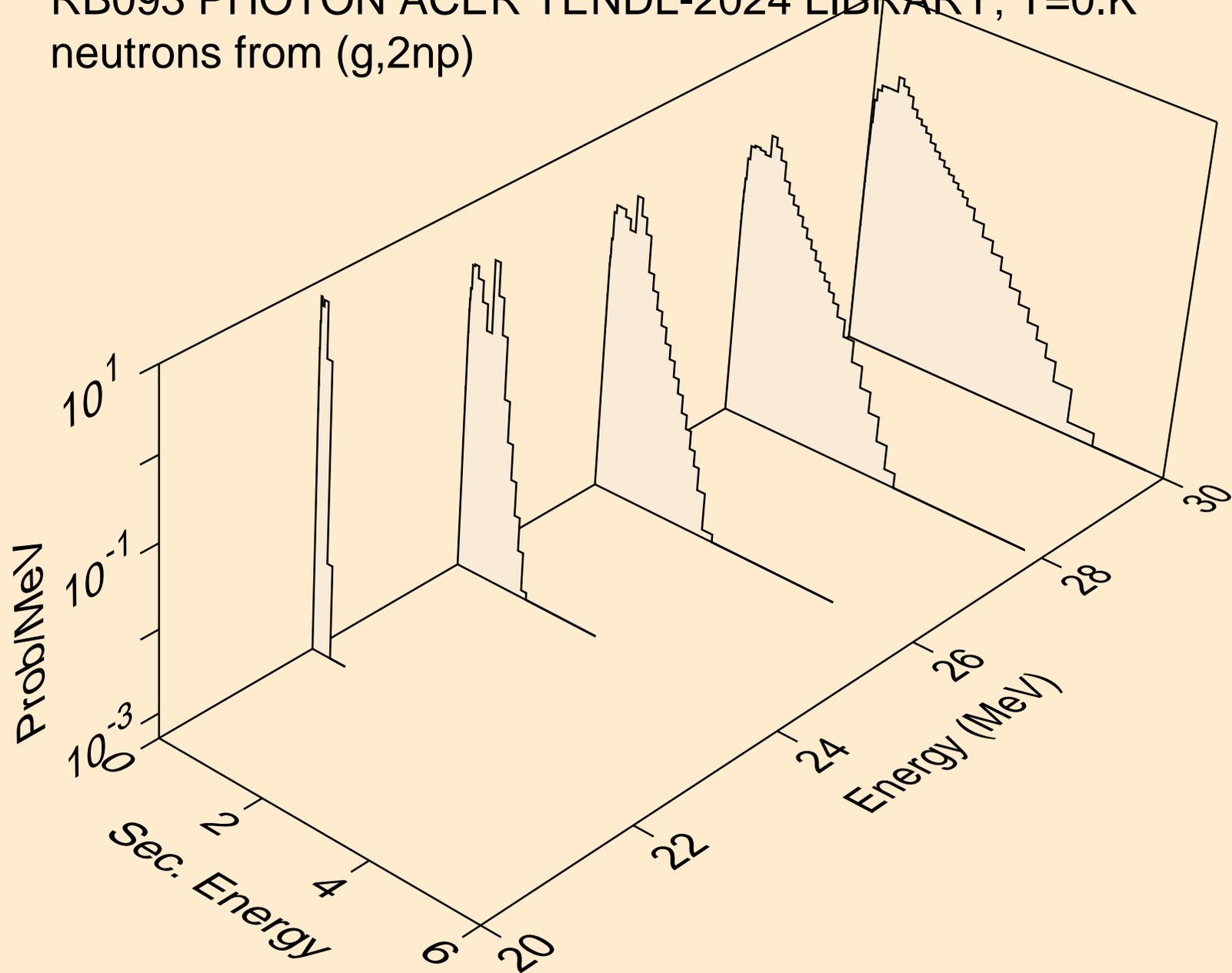RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,n*)d

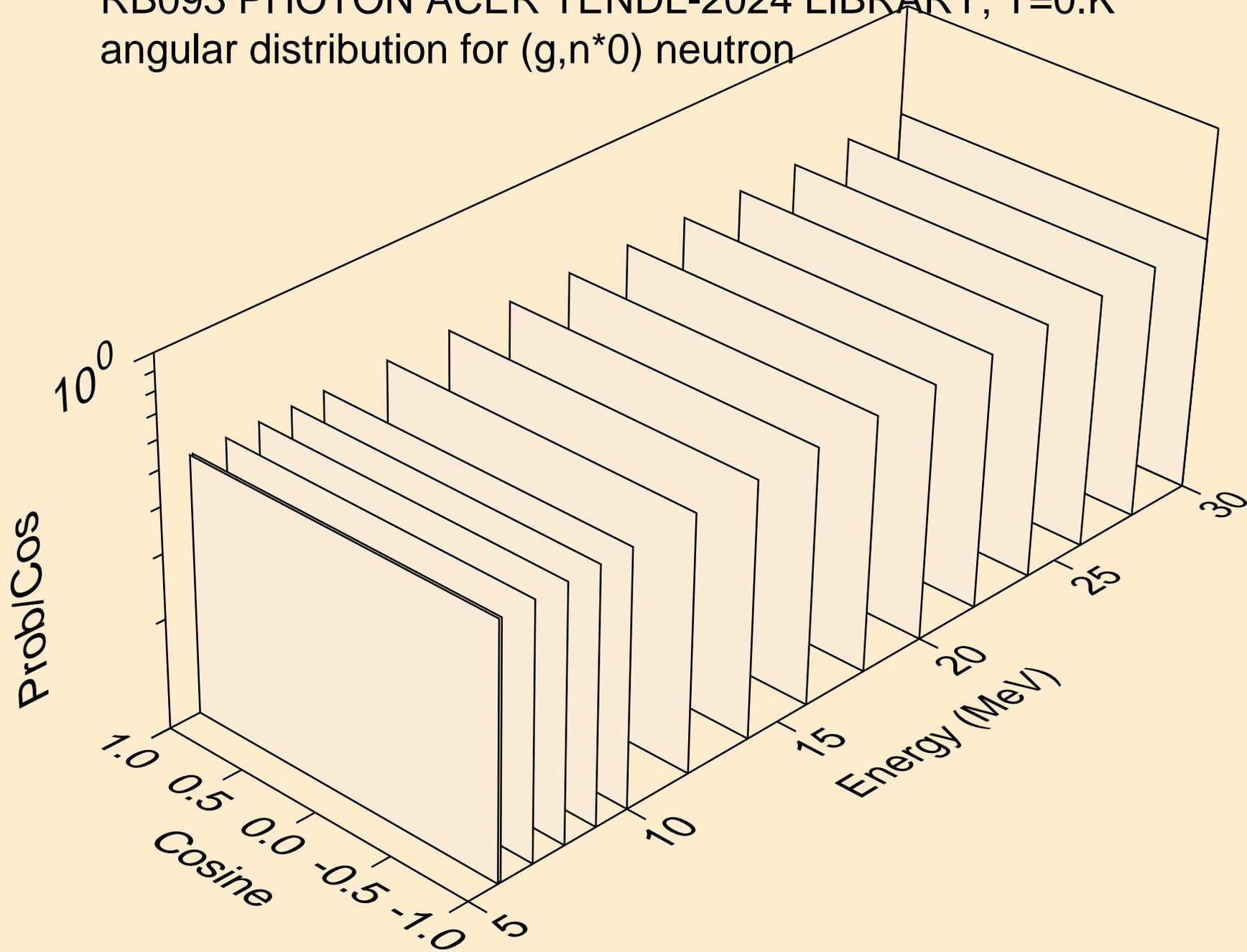RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,n*)t

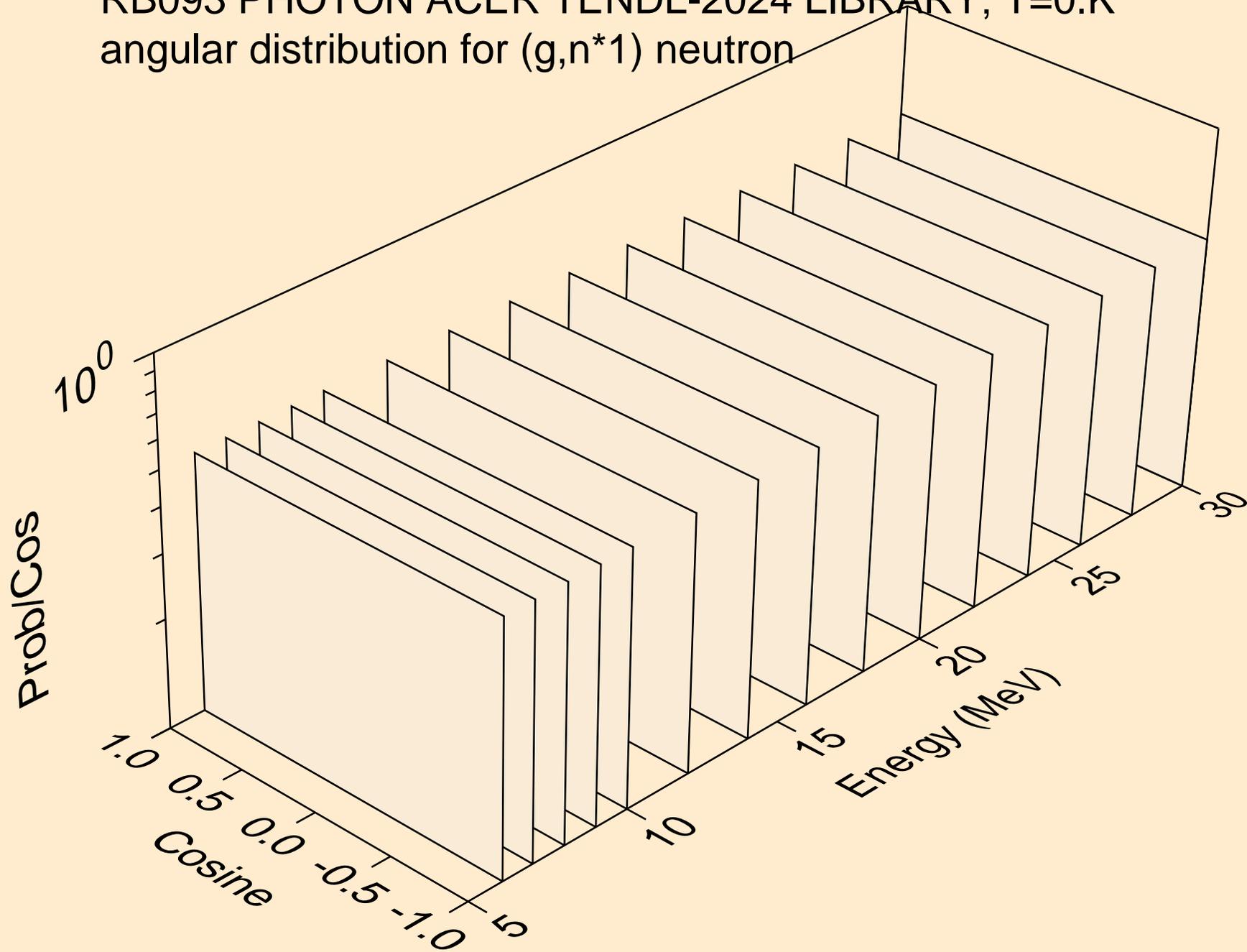RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,4n)

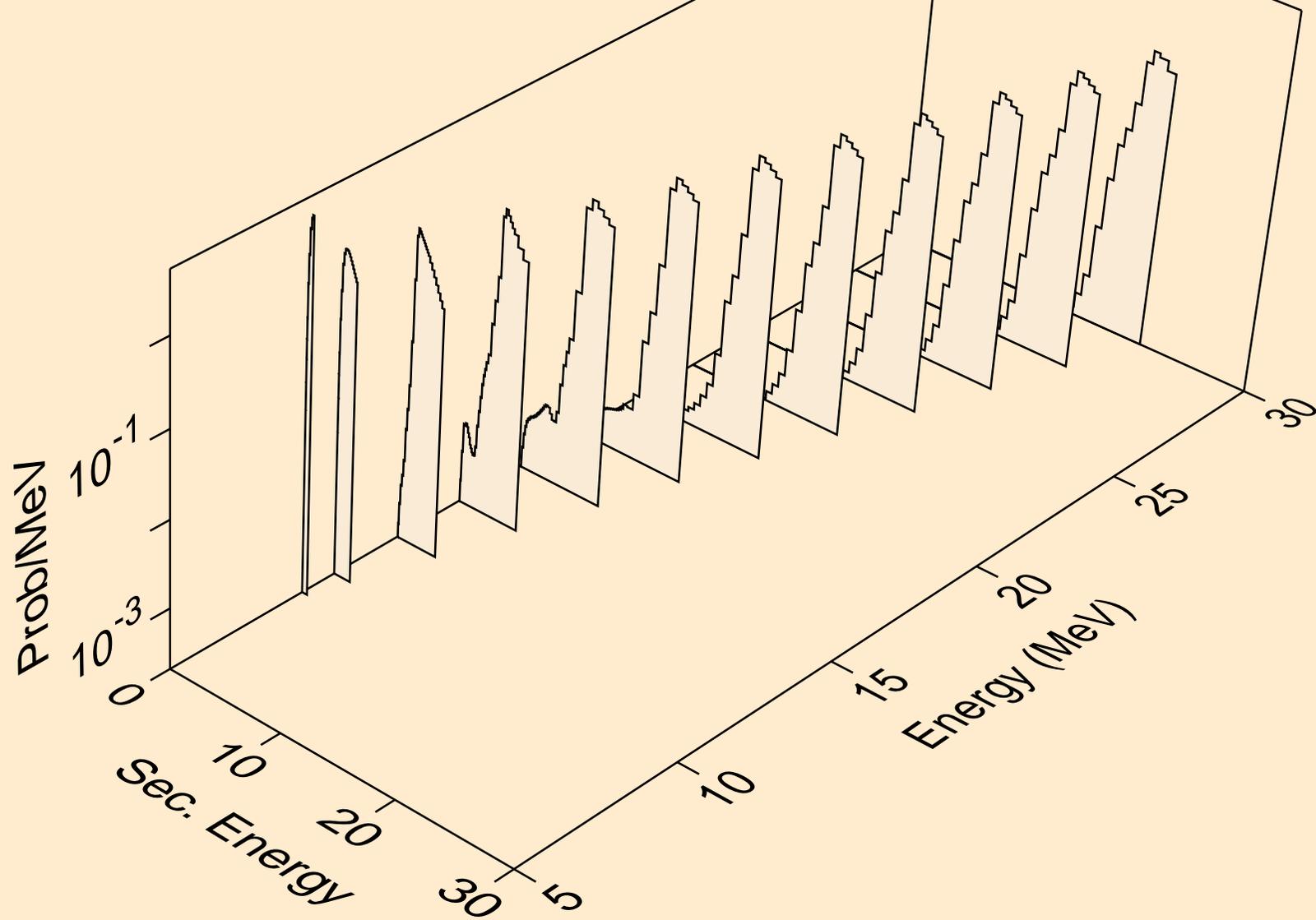RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,2np)

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
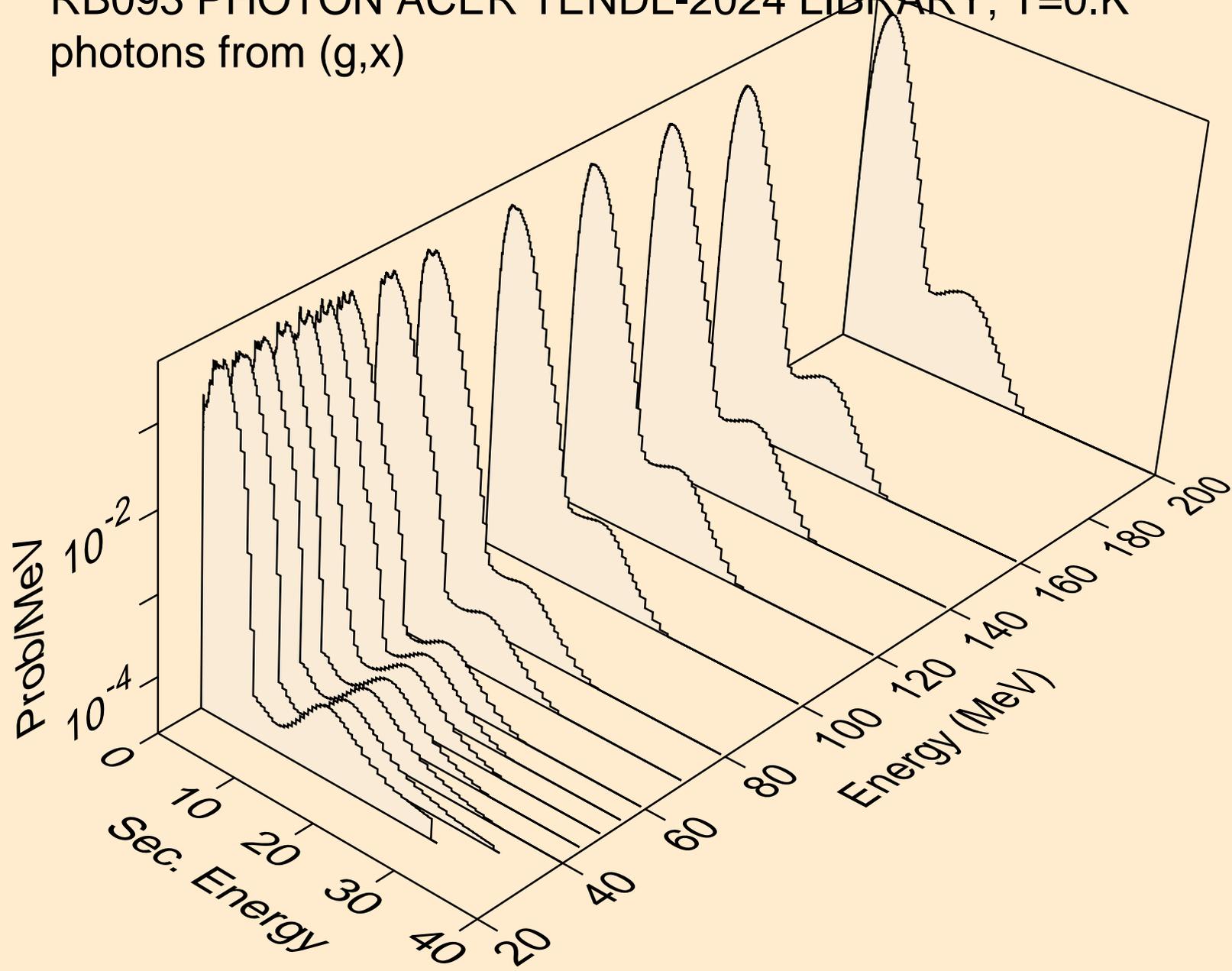angular distribution for (g,n*0) neutron

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
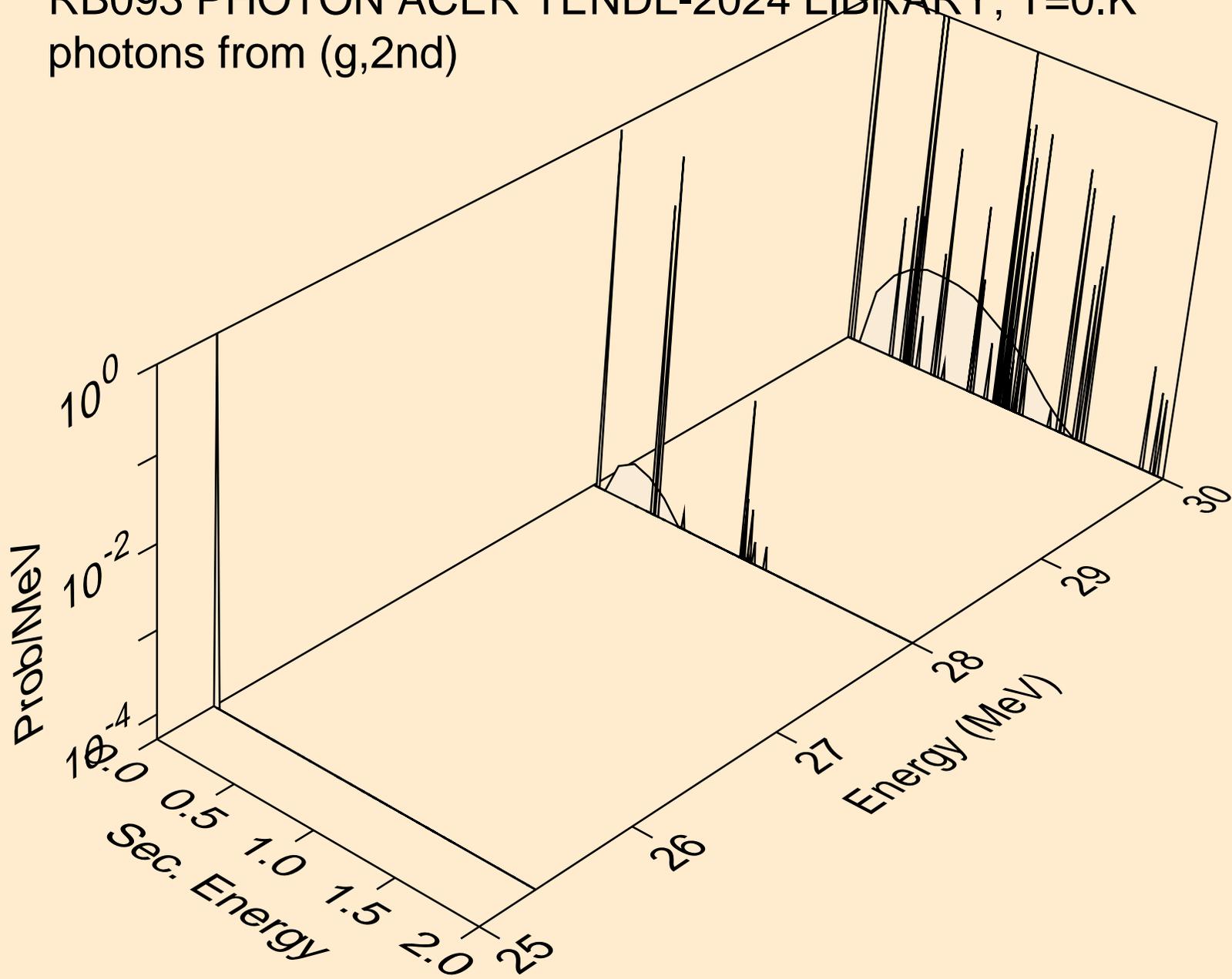angular distribution for (g,n*1) neutron

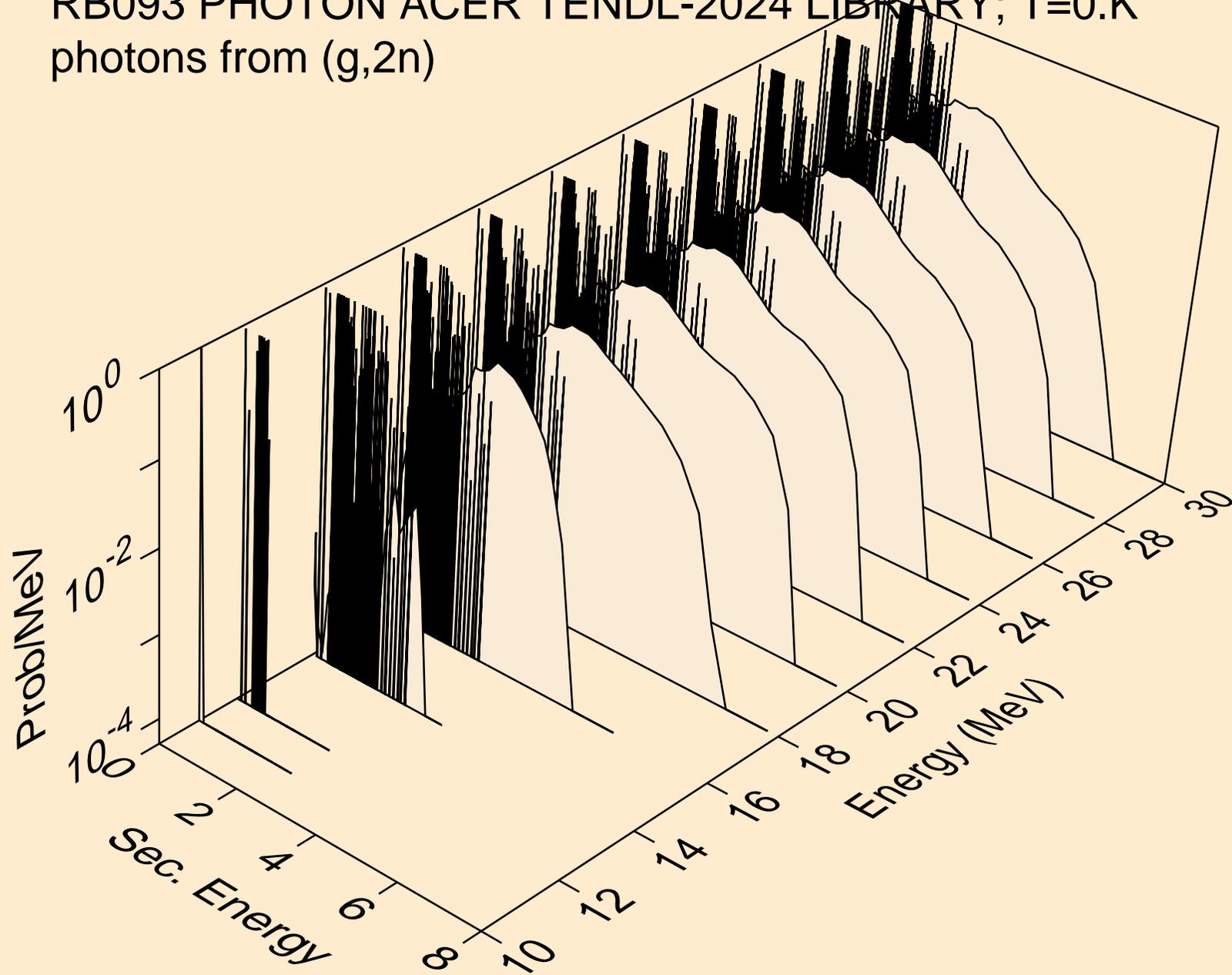RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,n*c)

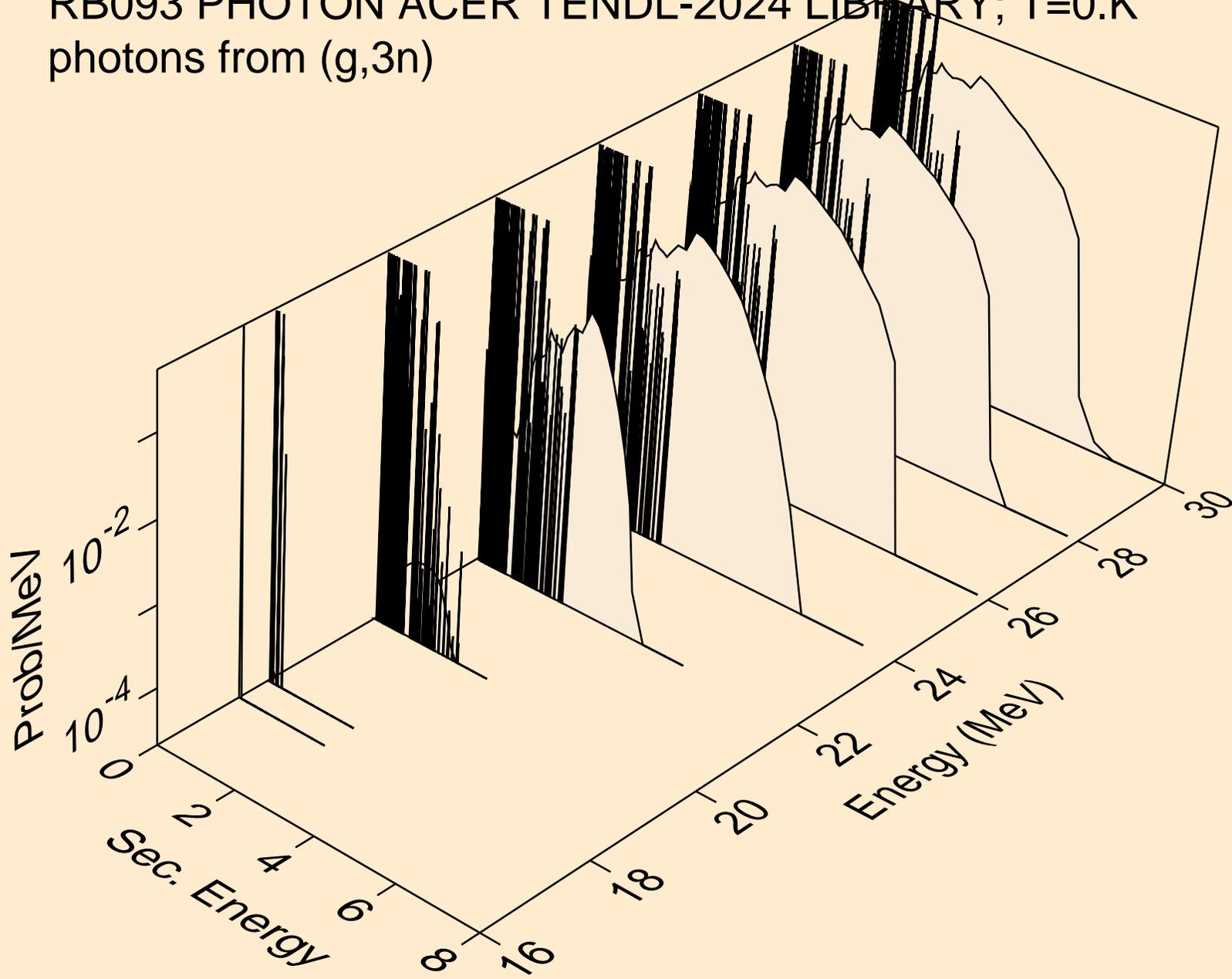RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,x)

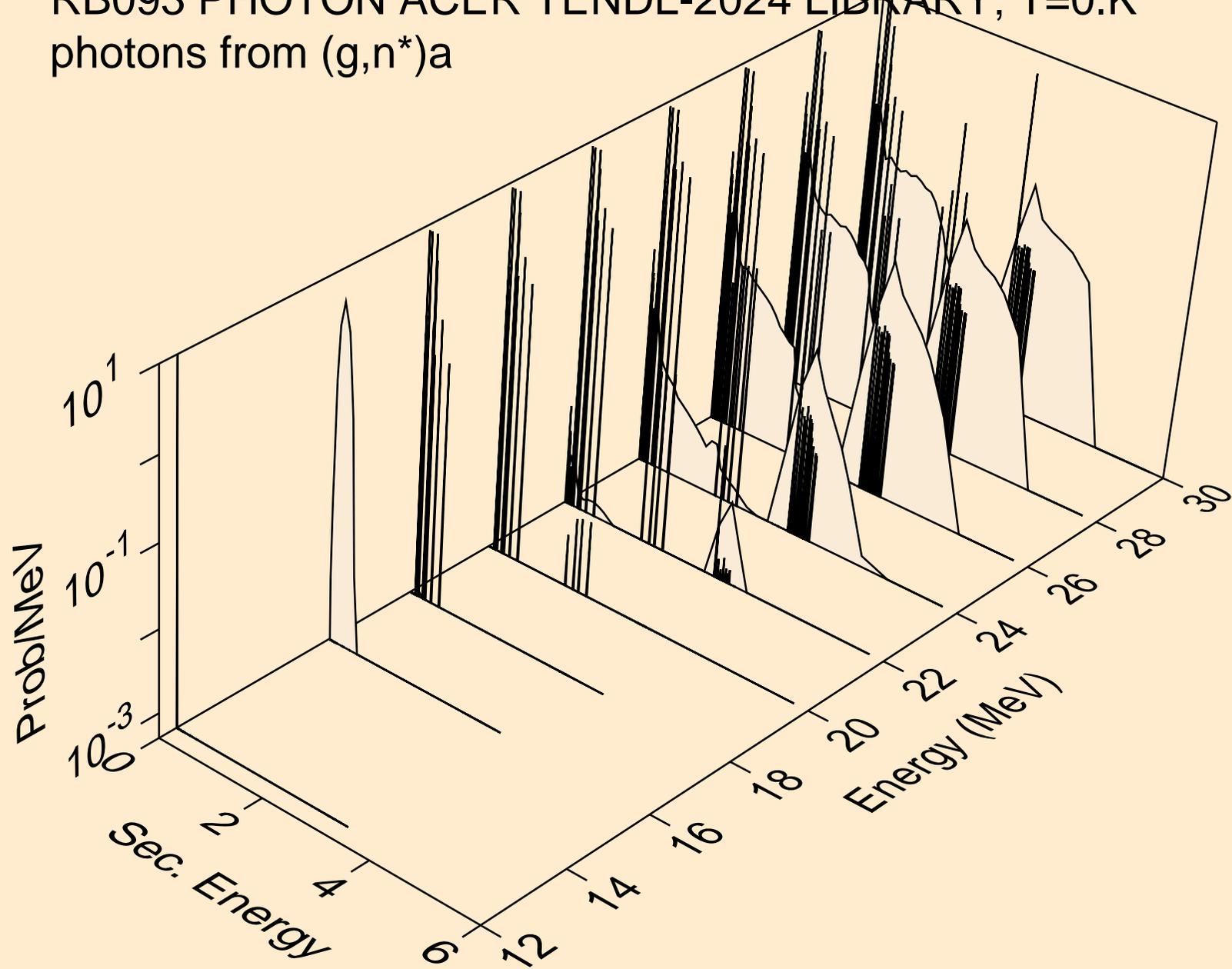RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,2nd)

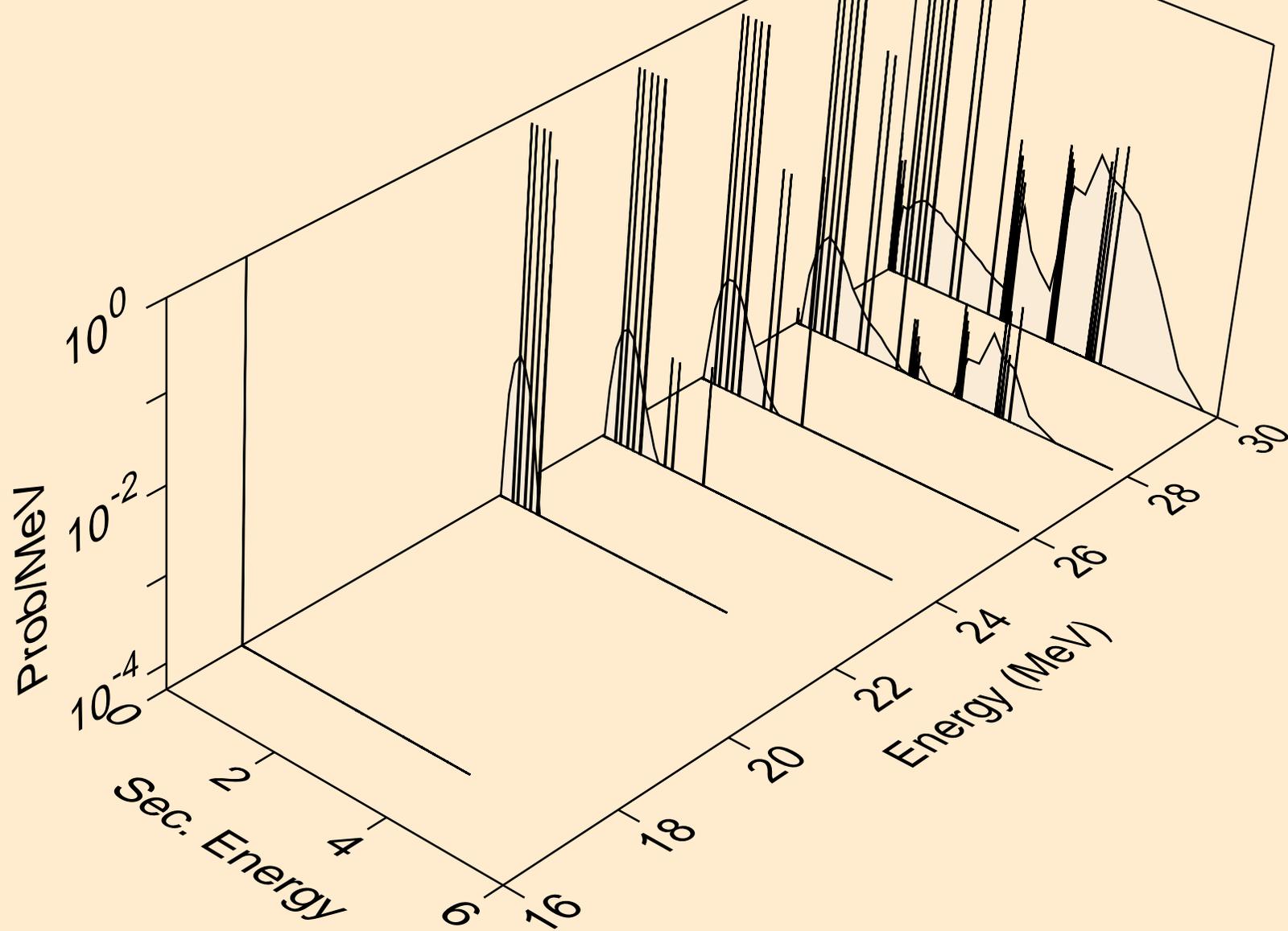RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,2n)

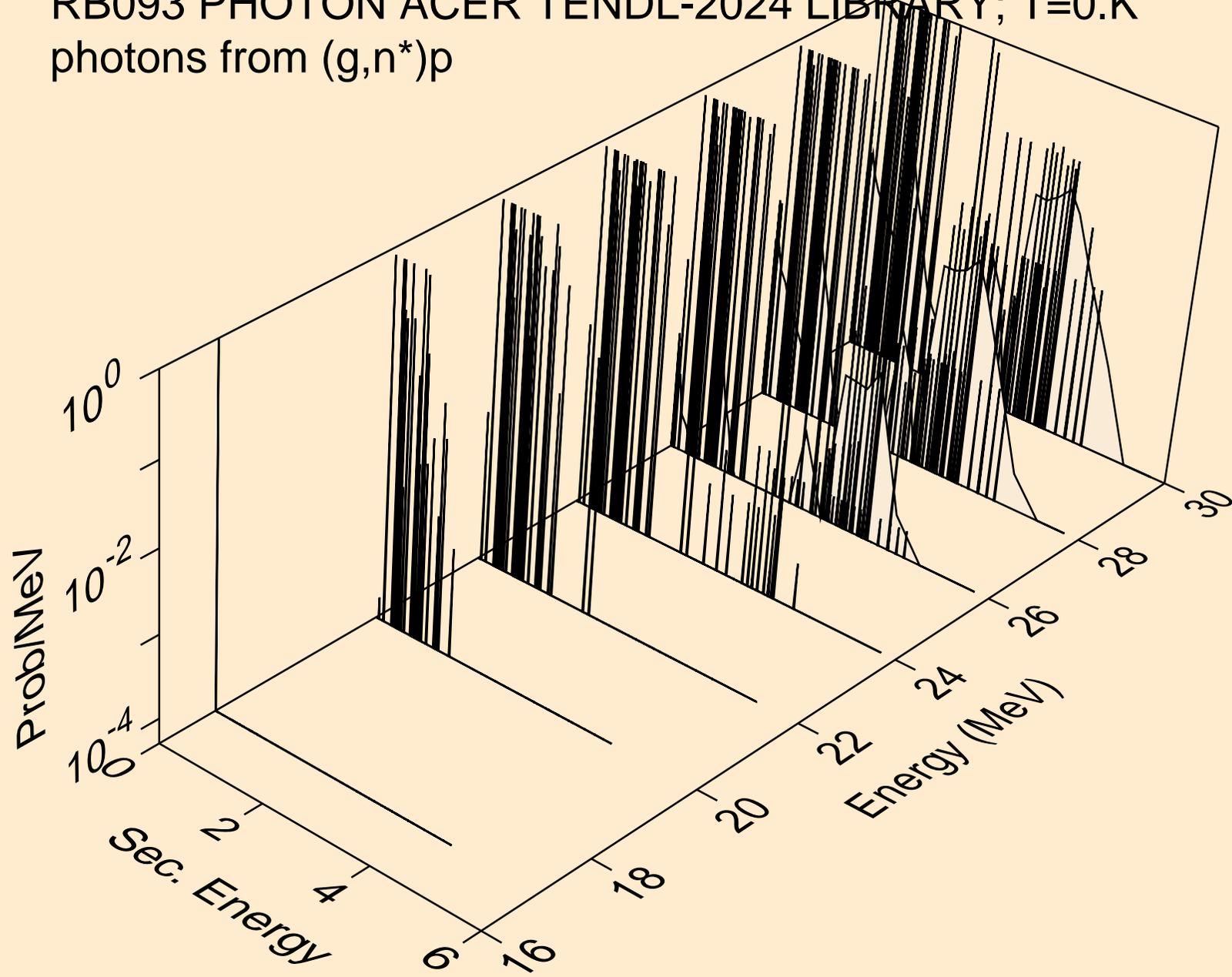RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,3n)

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
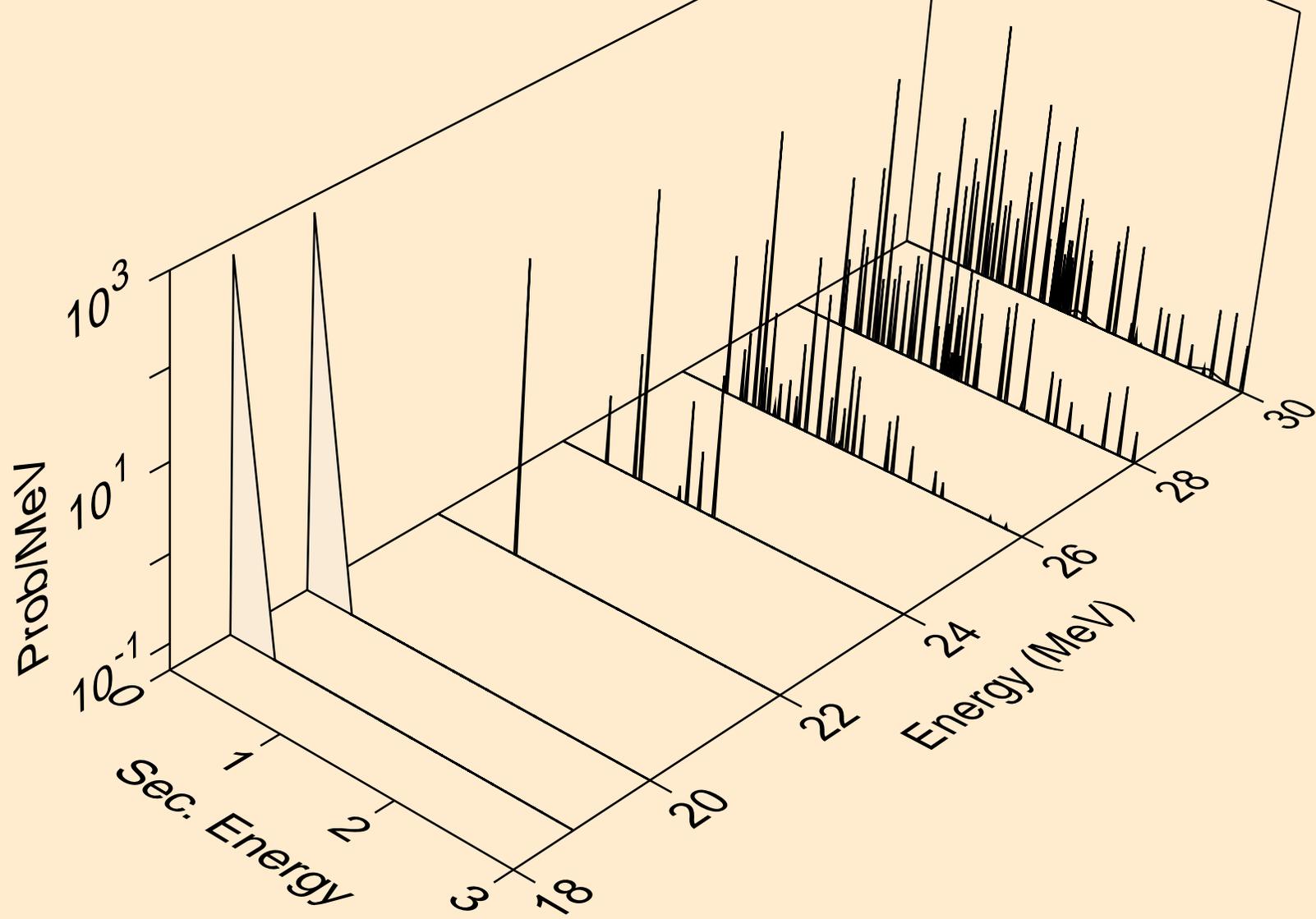photons from (g,n*)a

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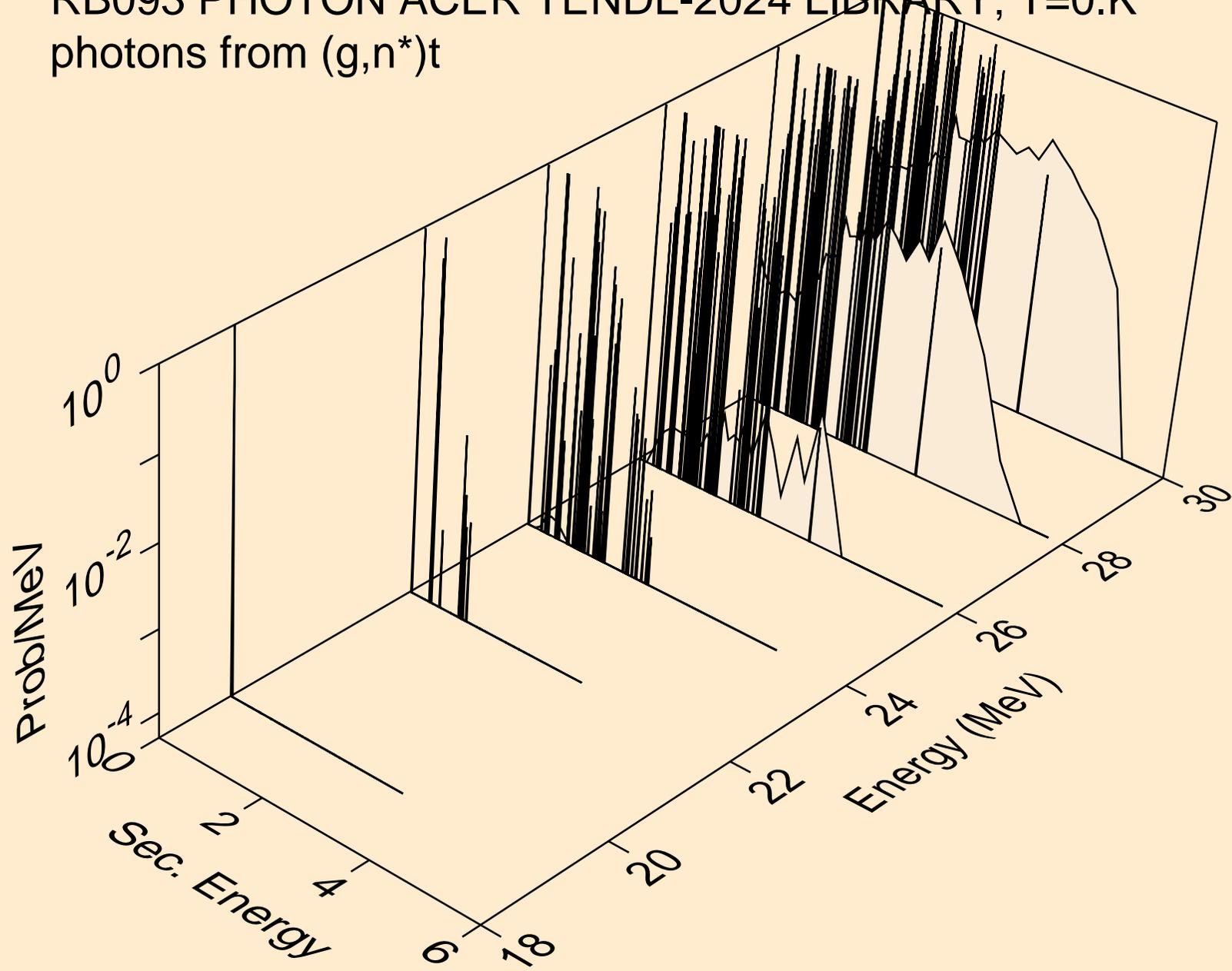photons from (g,2n)a

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
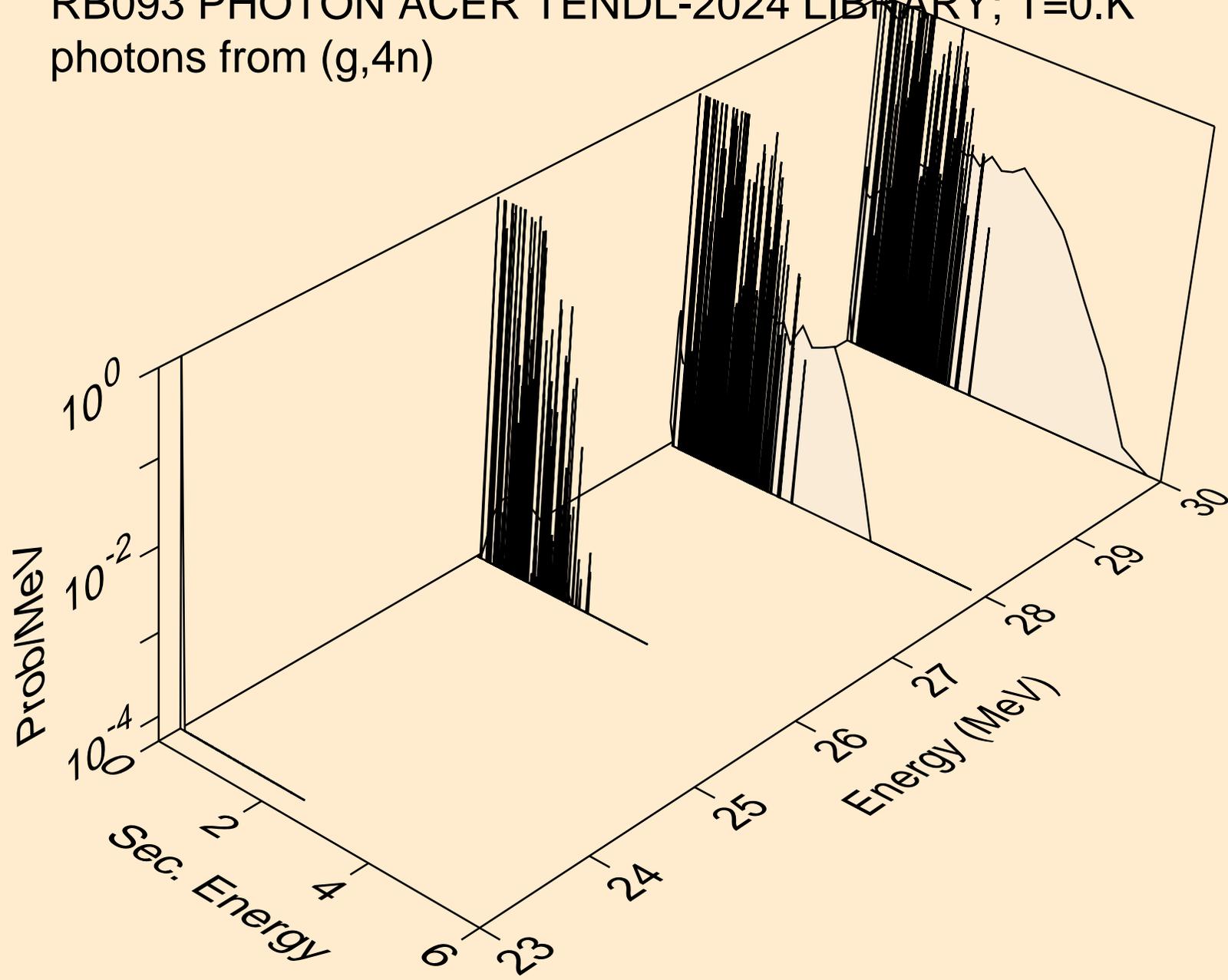photons from (g,n*)p

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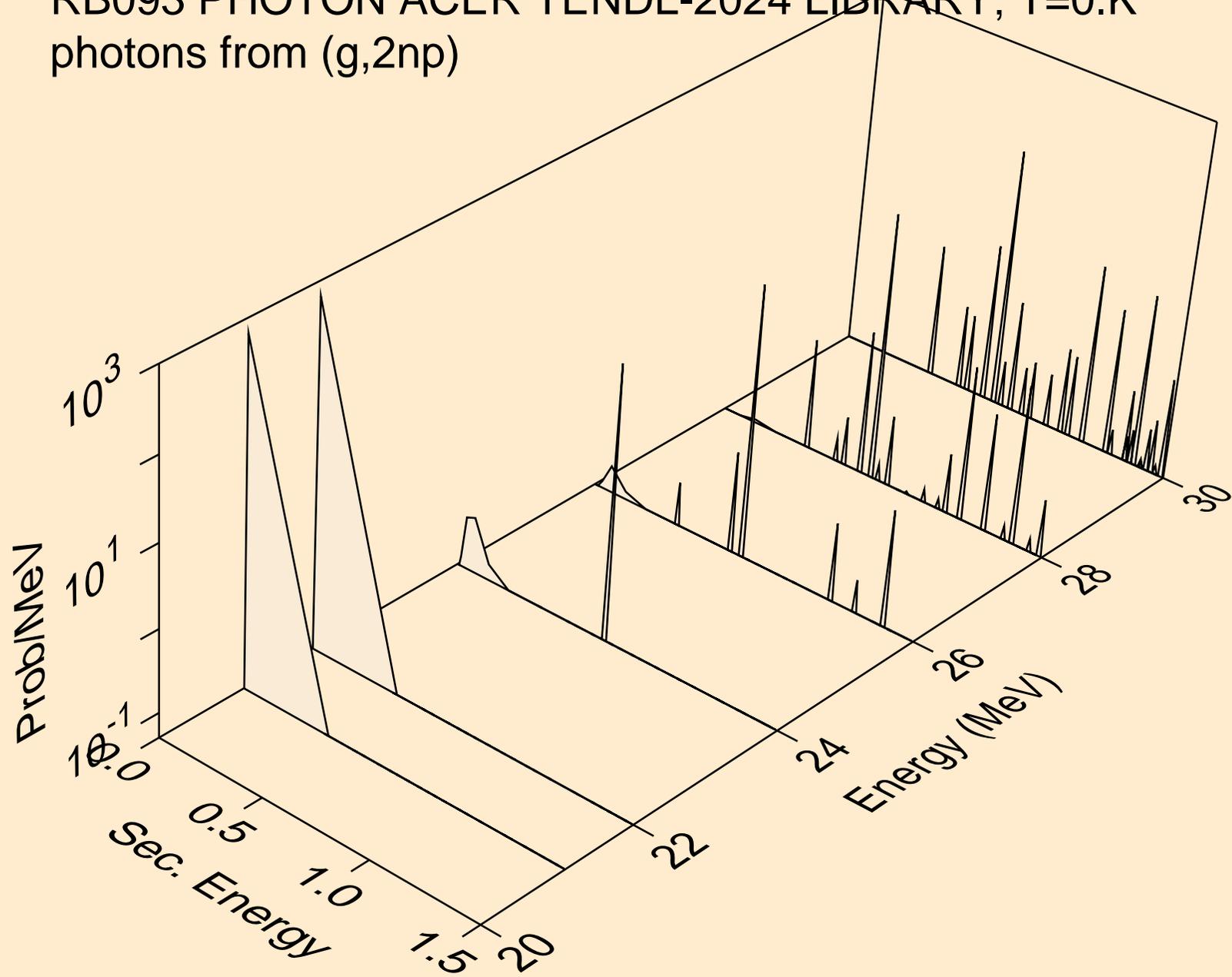photons from (g,n*)d

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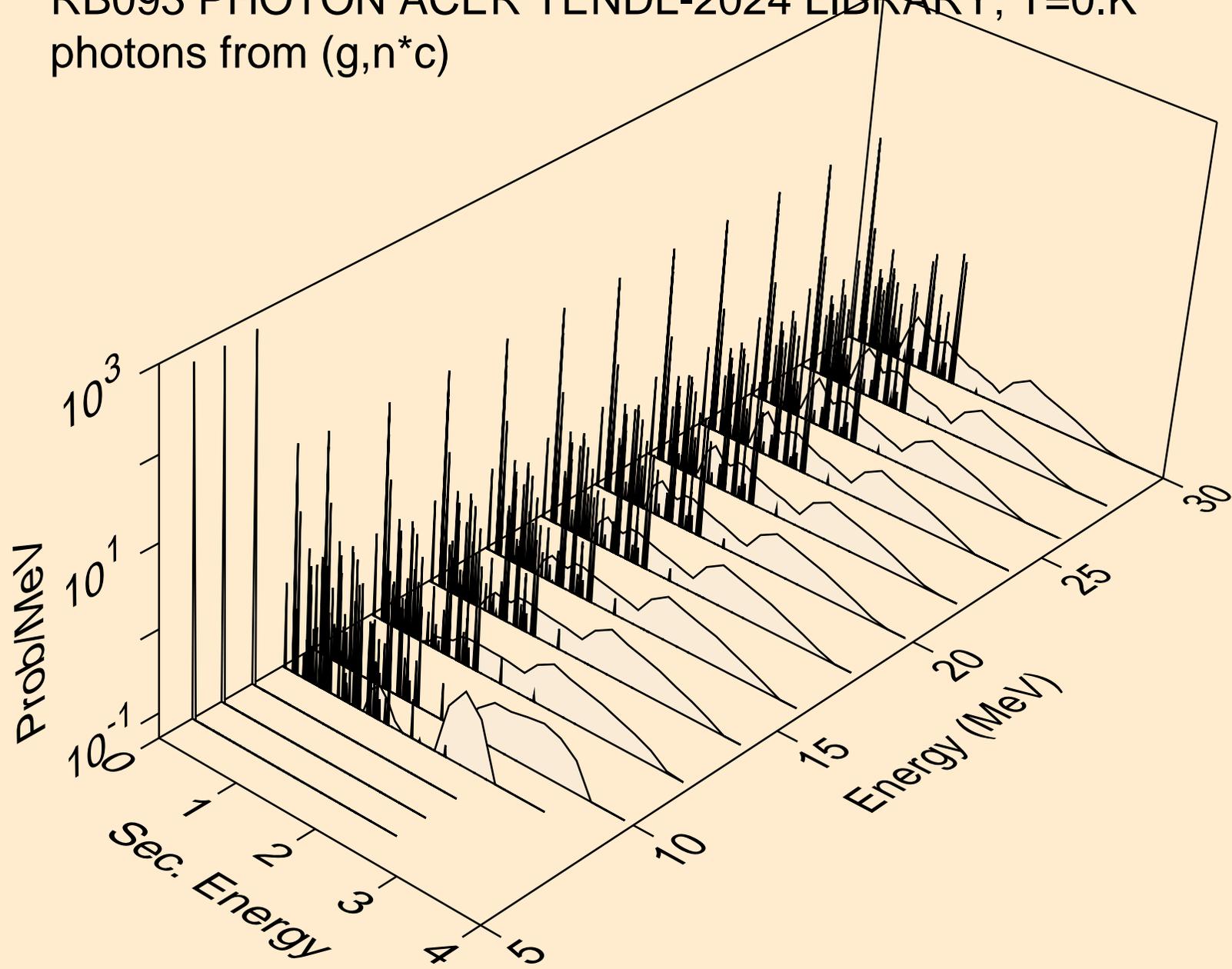photons from (g,n*)t

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
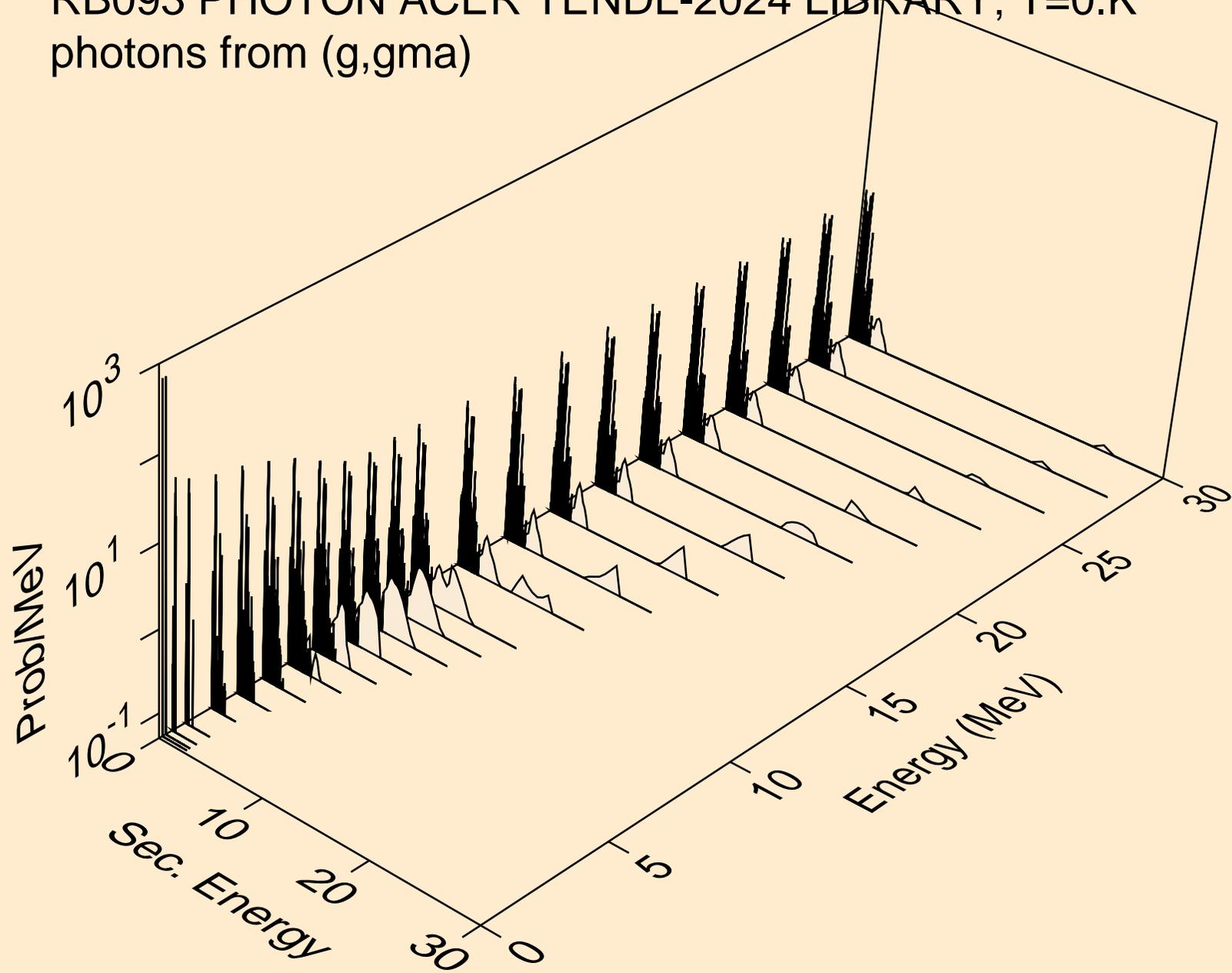photons from (g,4n)

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,2np)

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,n*c)

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,gma)

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,p)

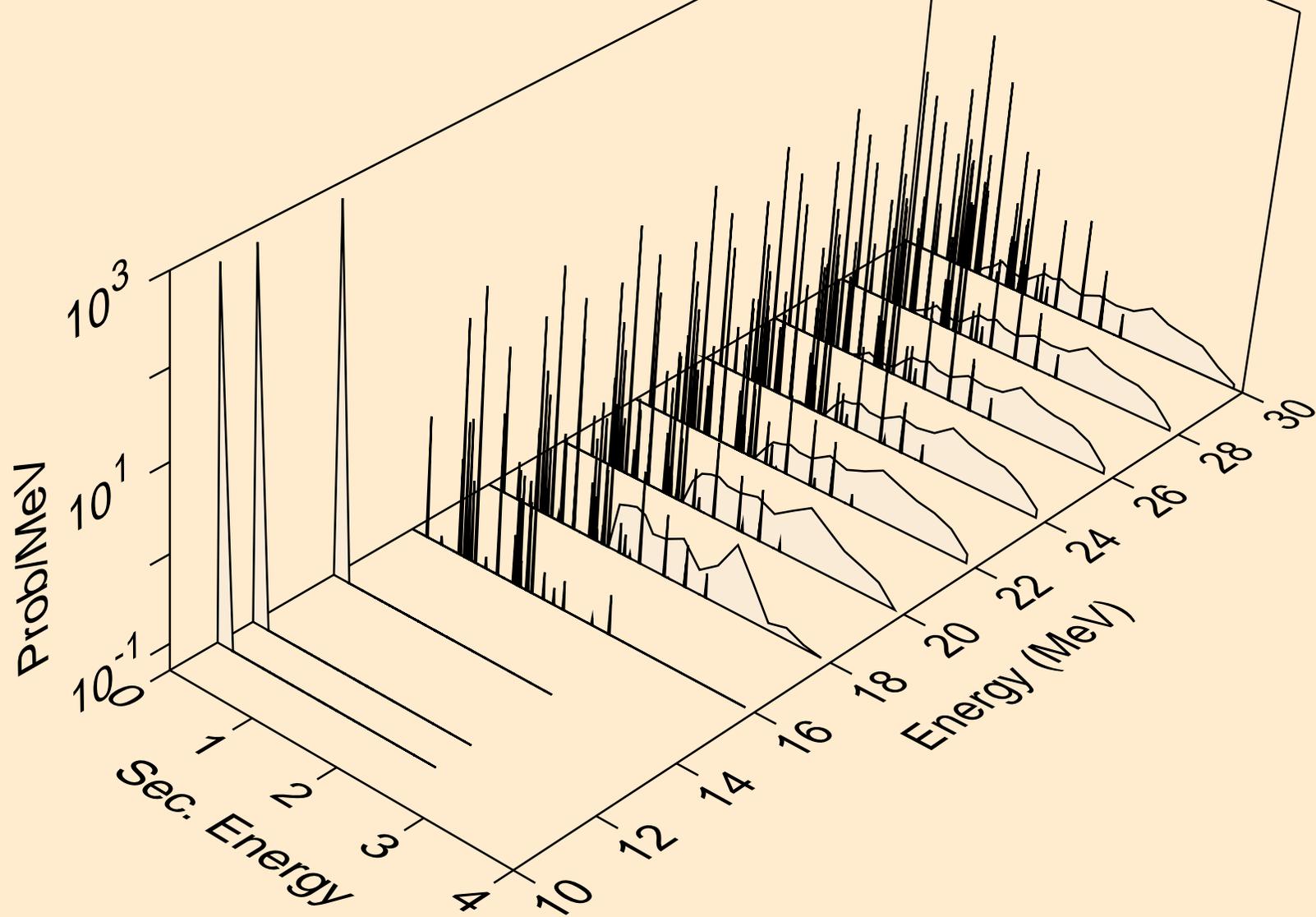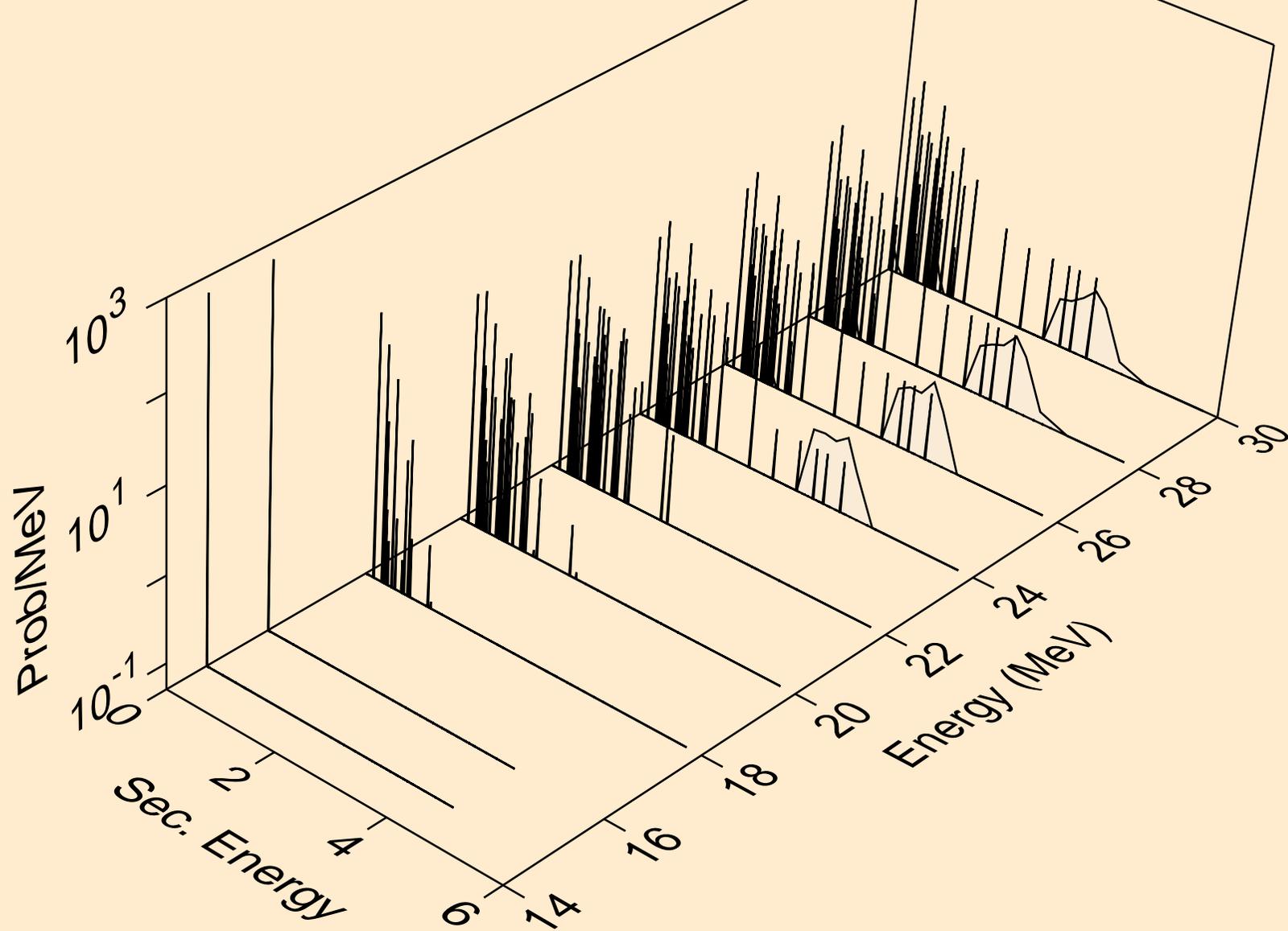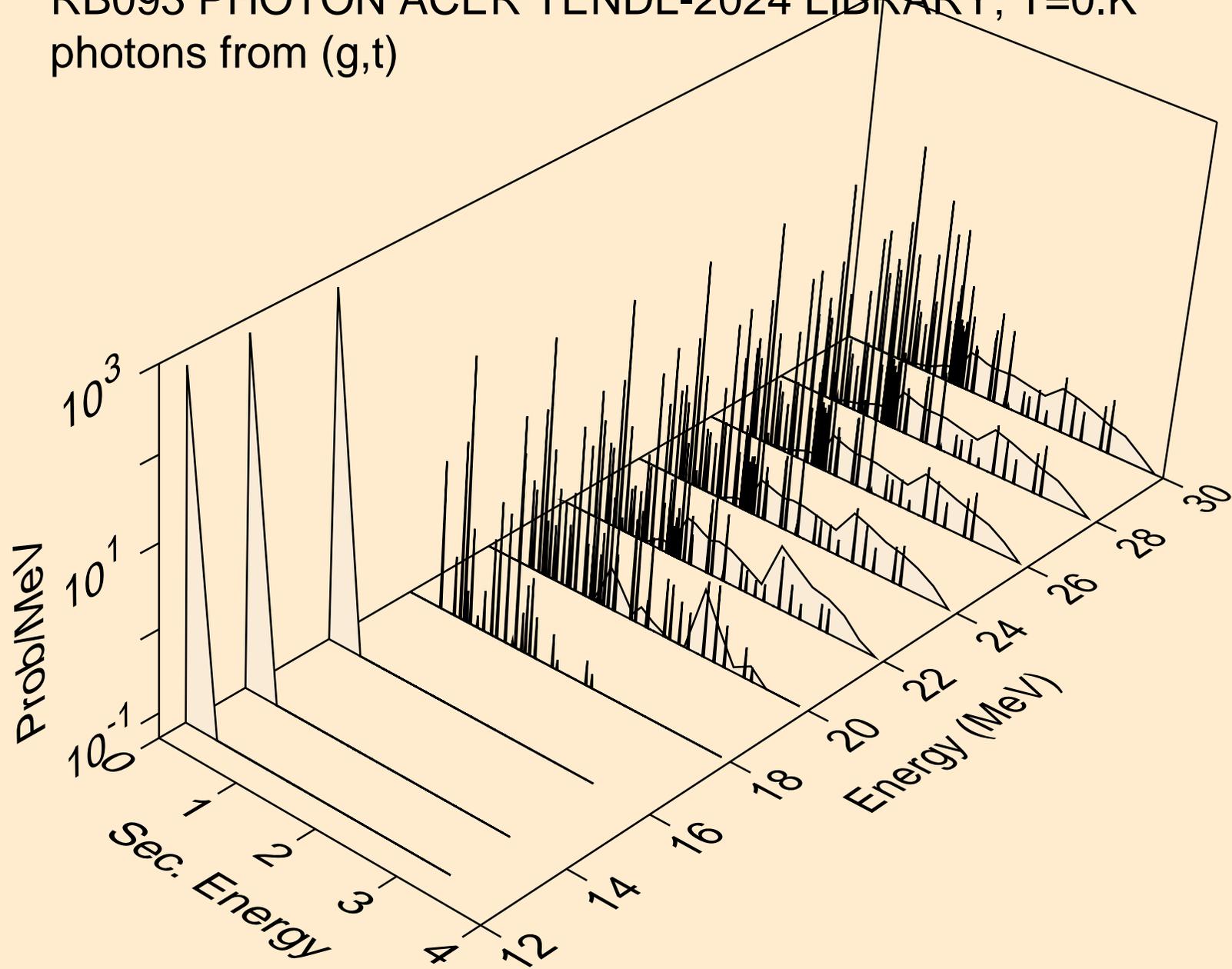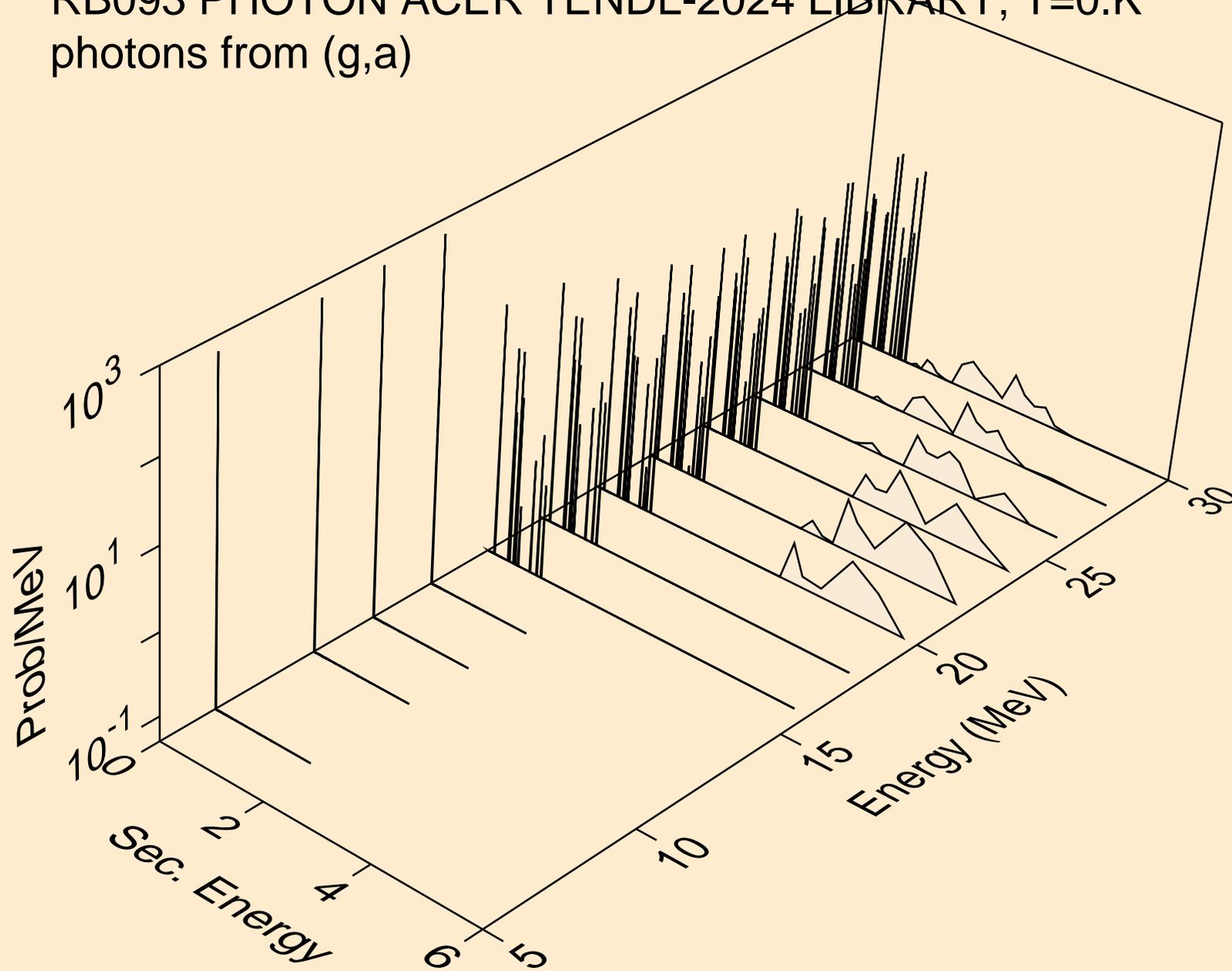RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
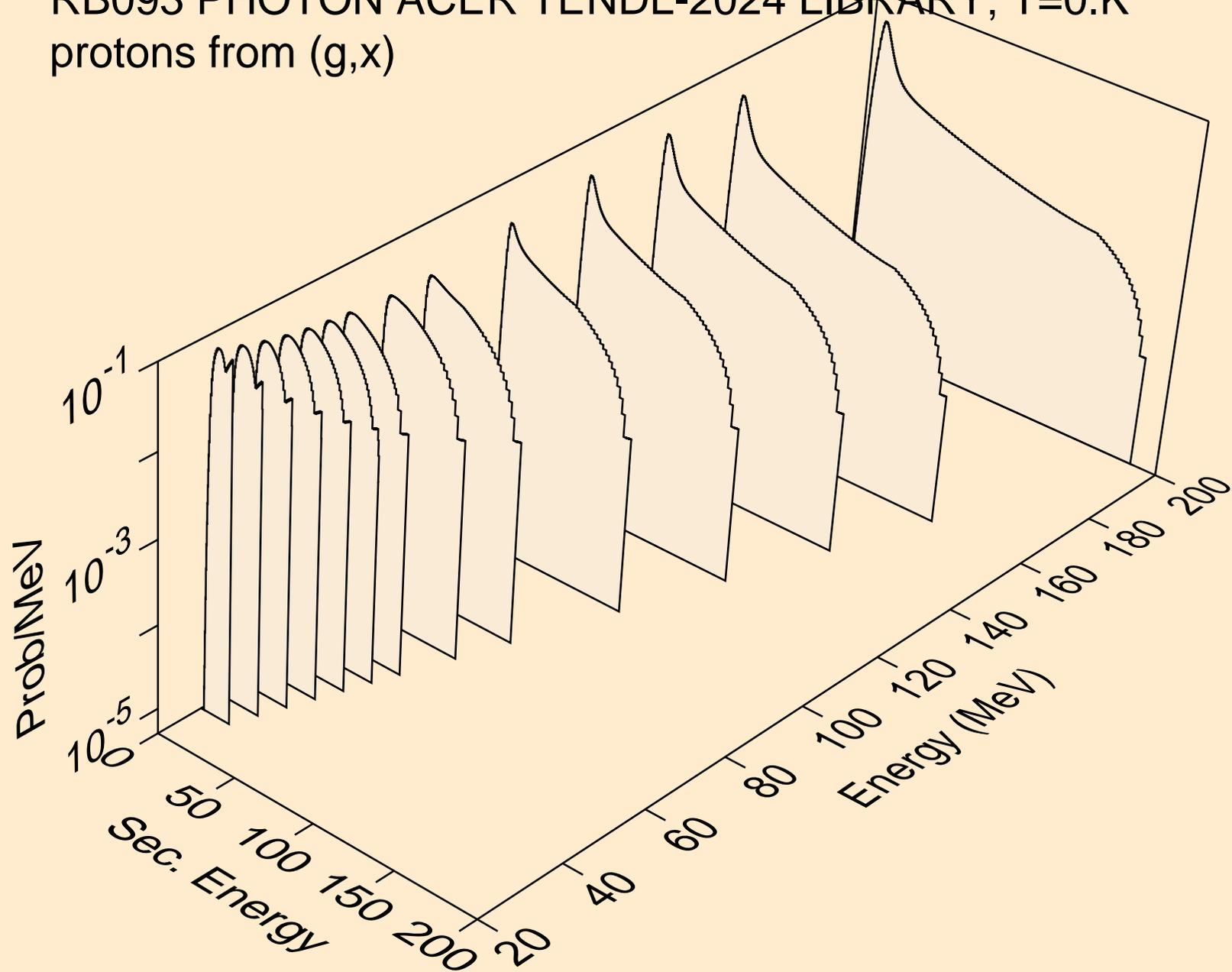photons from (g,d)

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
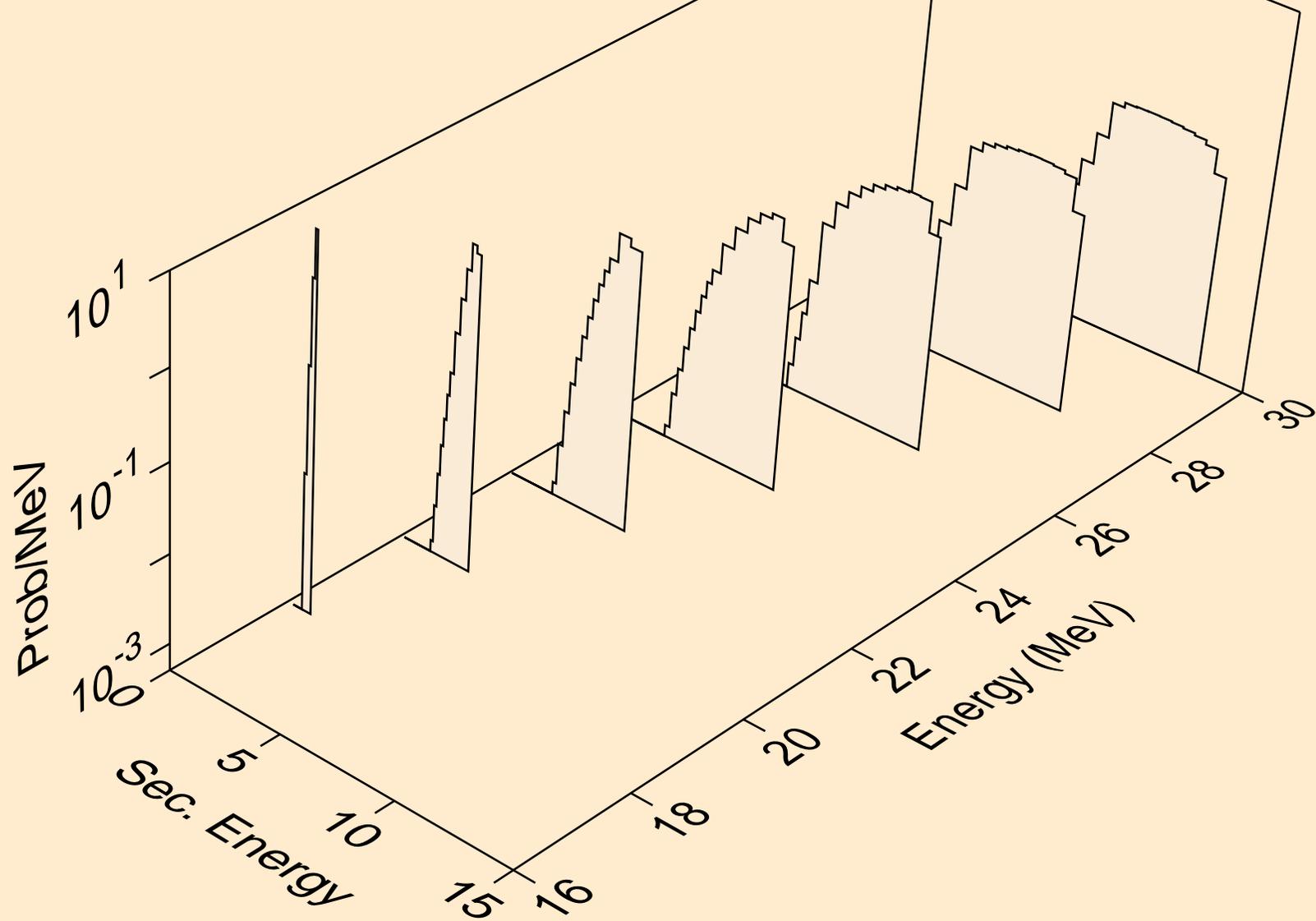photons from (g,t)

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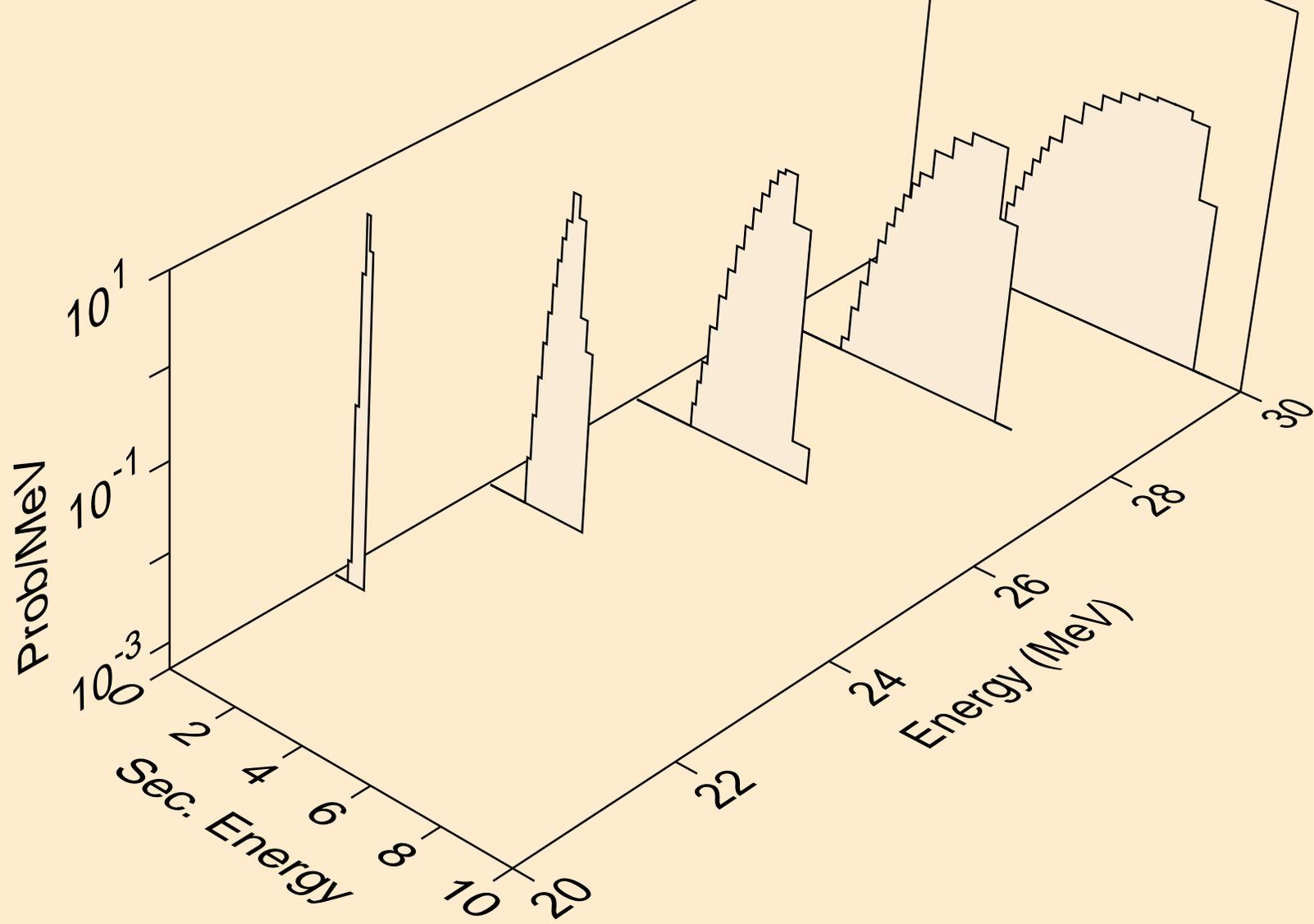photons from (g,a)

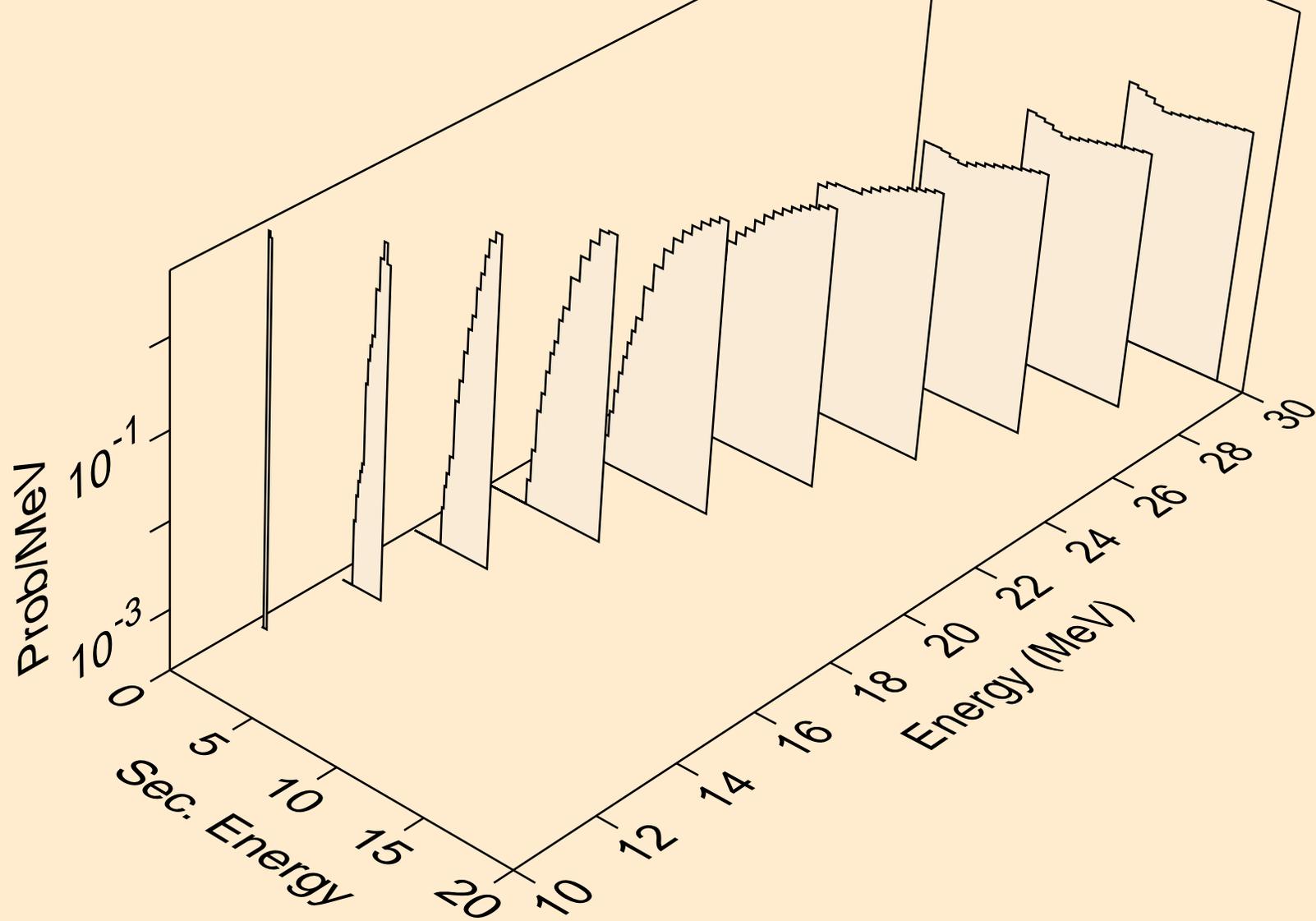RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
protons from (g,x)

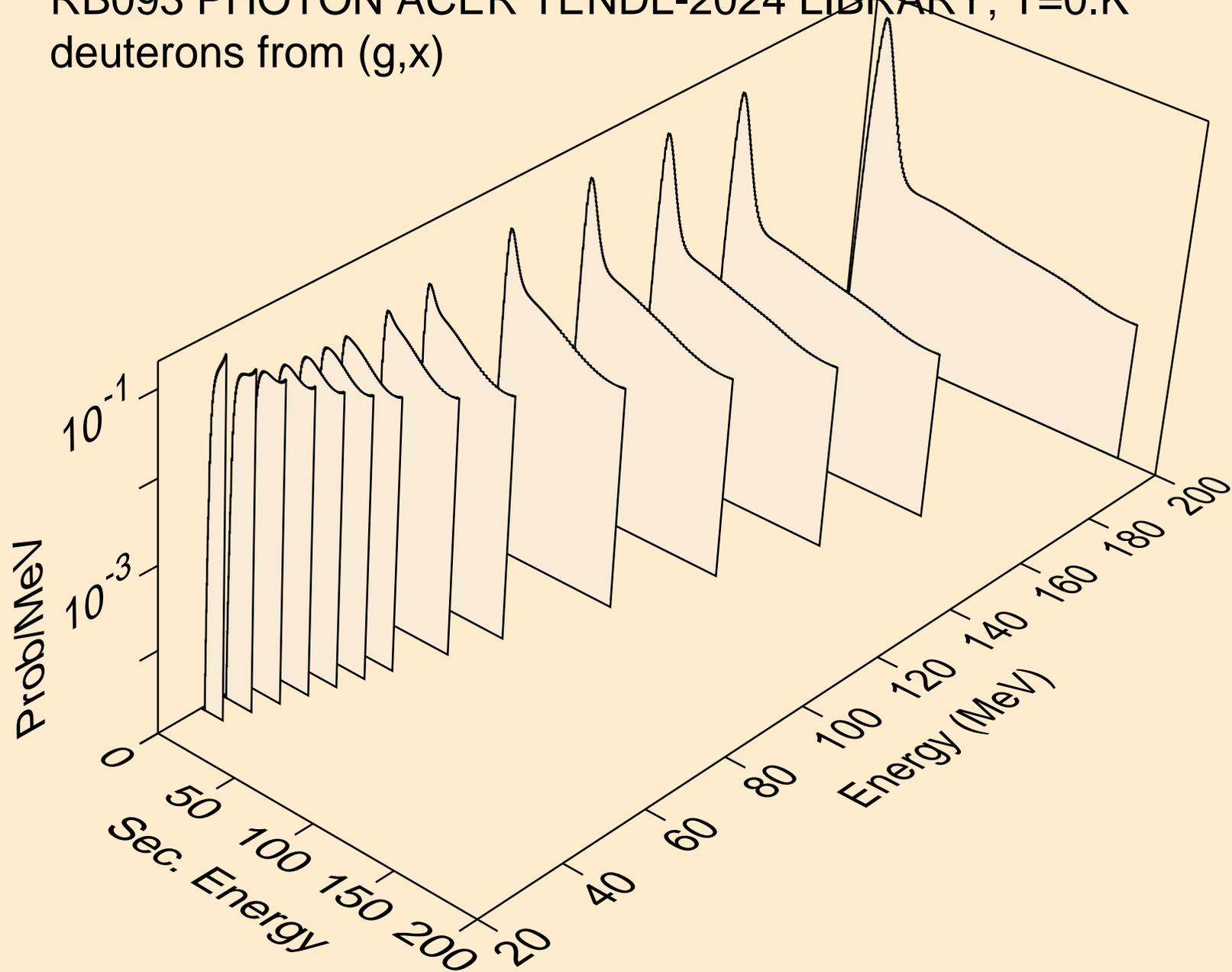RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
protons from (g,n*)p

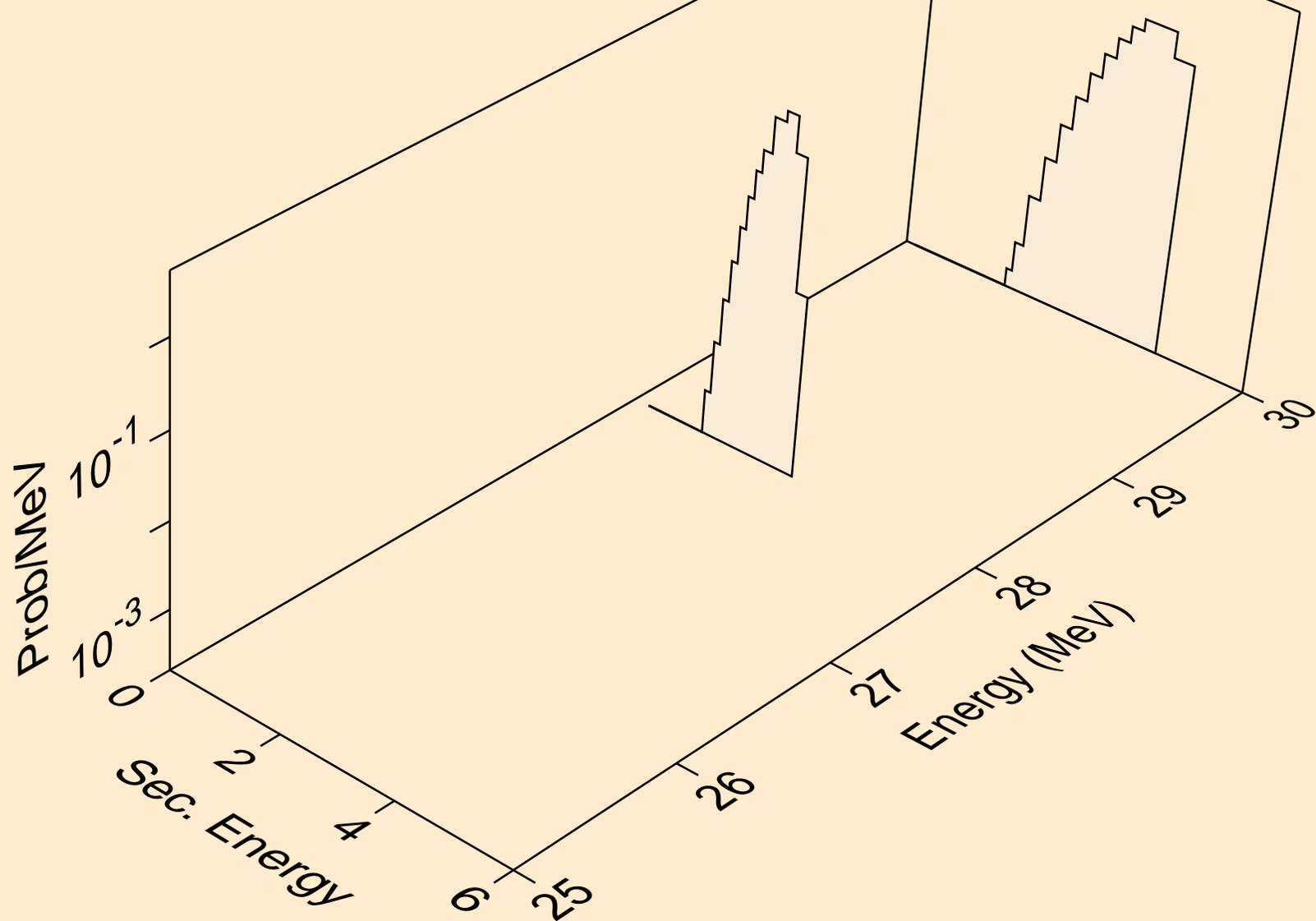RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
protons from (g,2np)

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
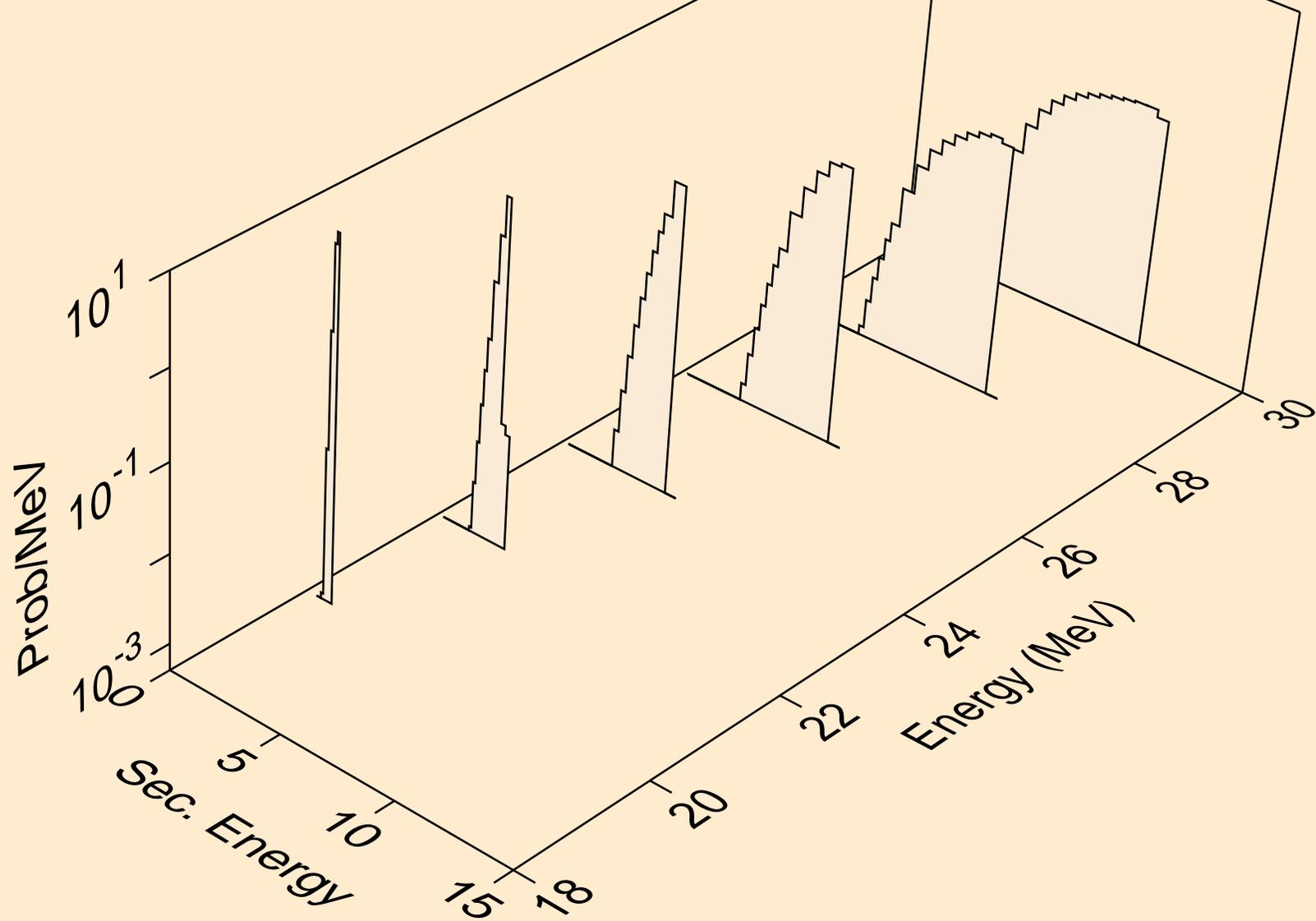protons from (g,p)

Prob/MeV

10^{-1}

10^{-3}

Sec. Energy

Energy (MeV)

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (g,x)

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (g,2nd)

Prob/MeV

10^{-1}

10^{-3}

Sec. Energy

Energy (MeV)
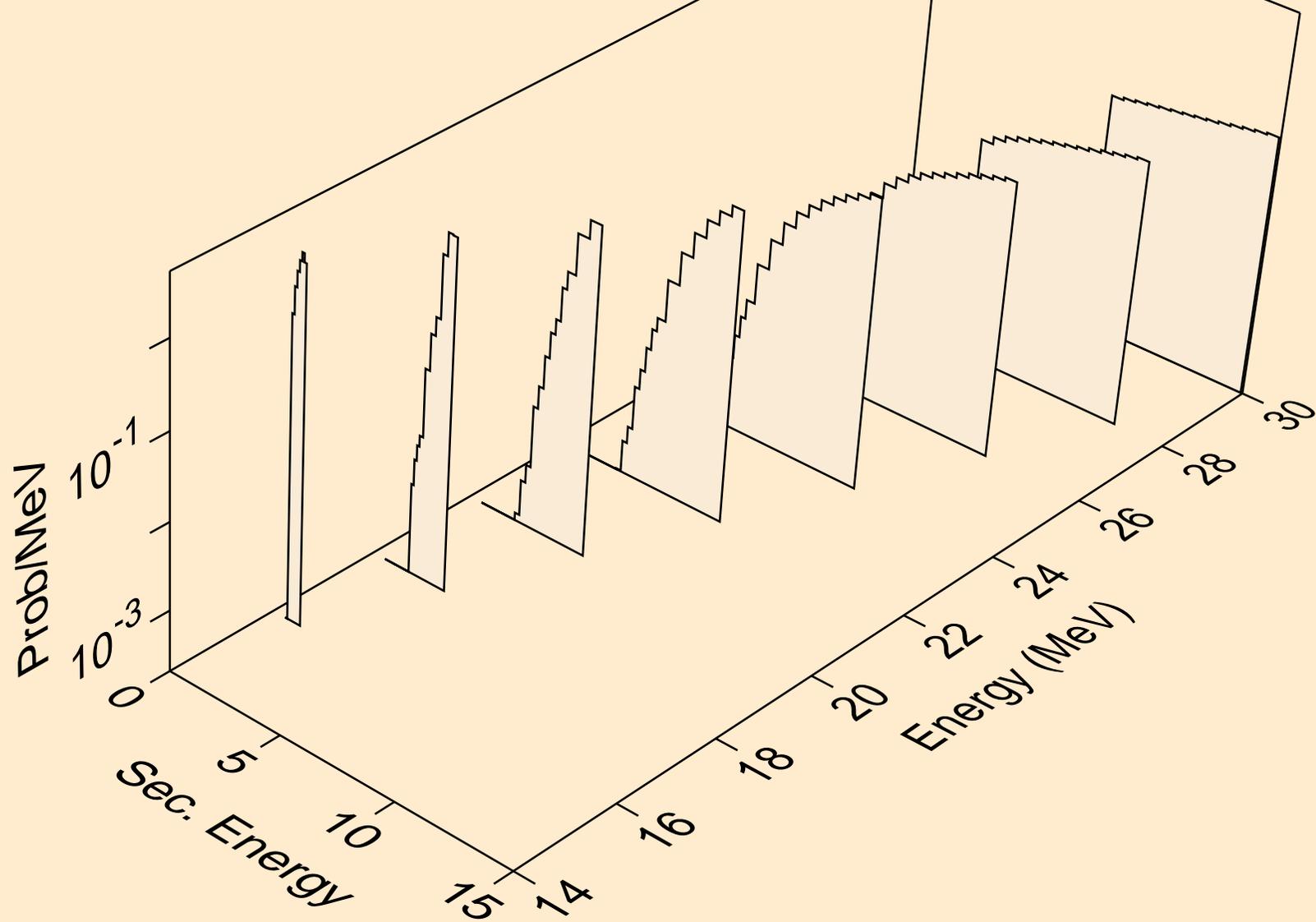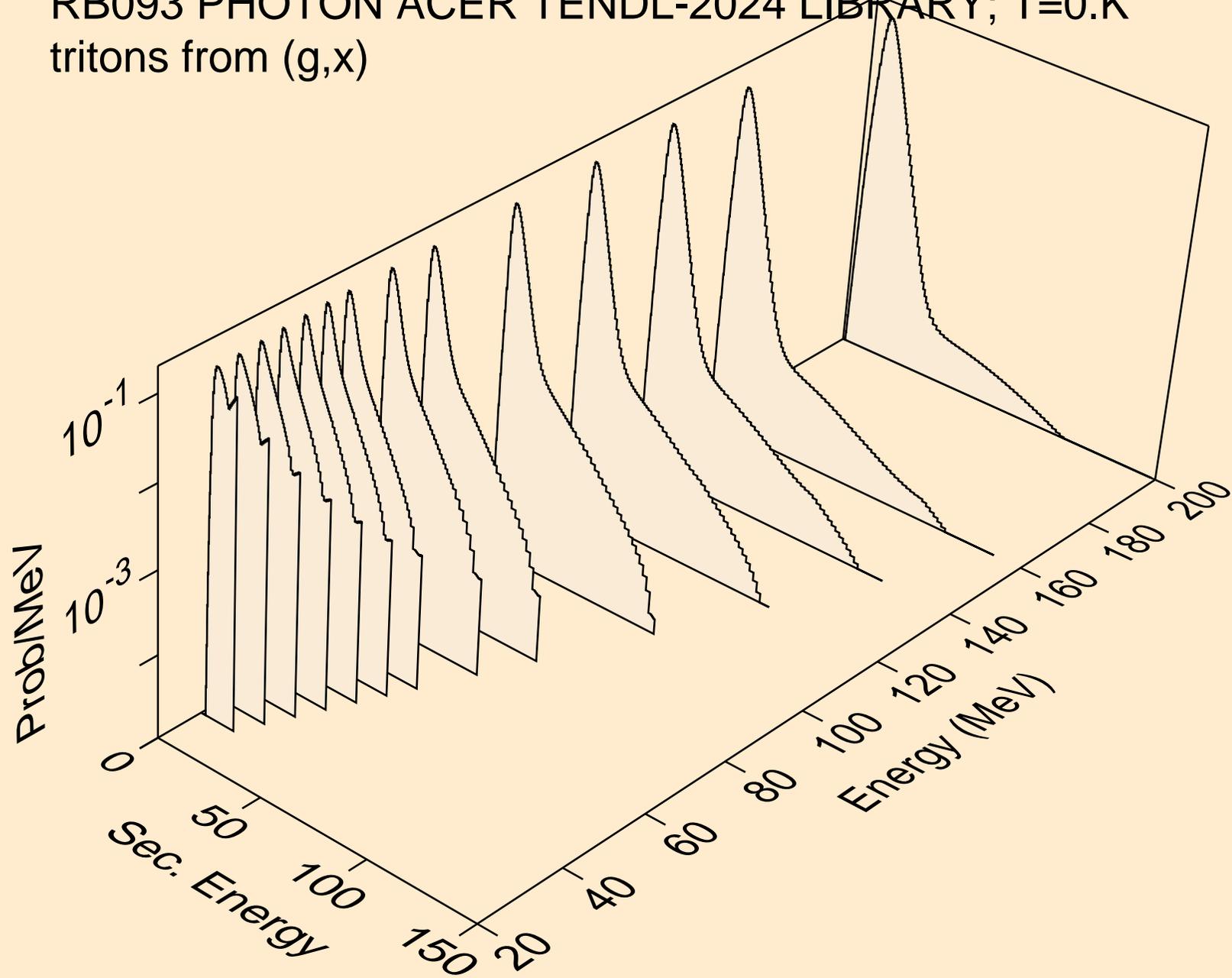
RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
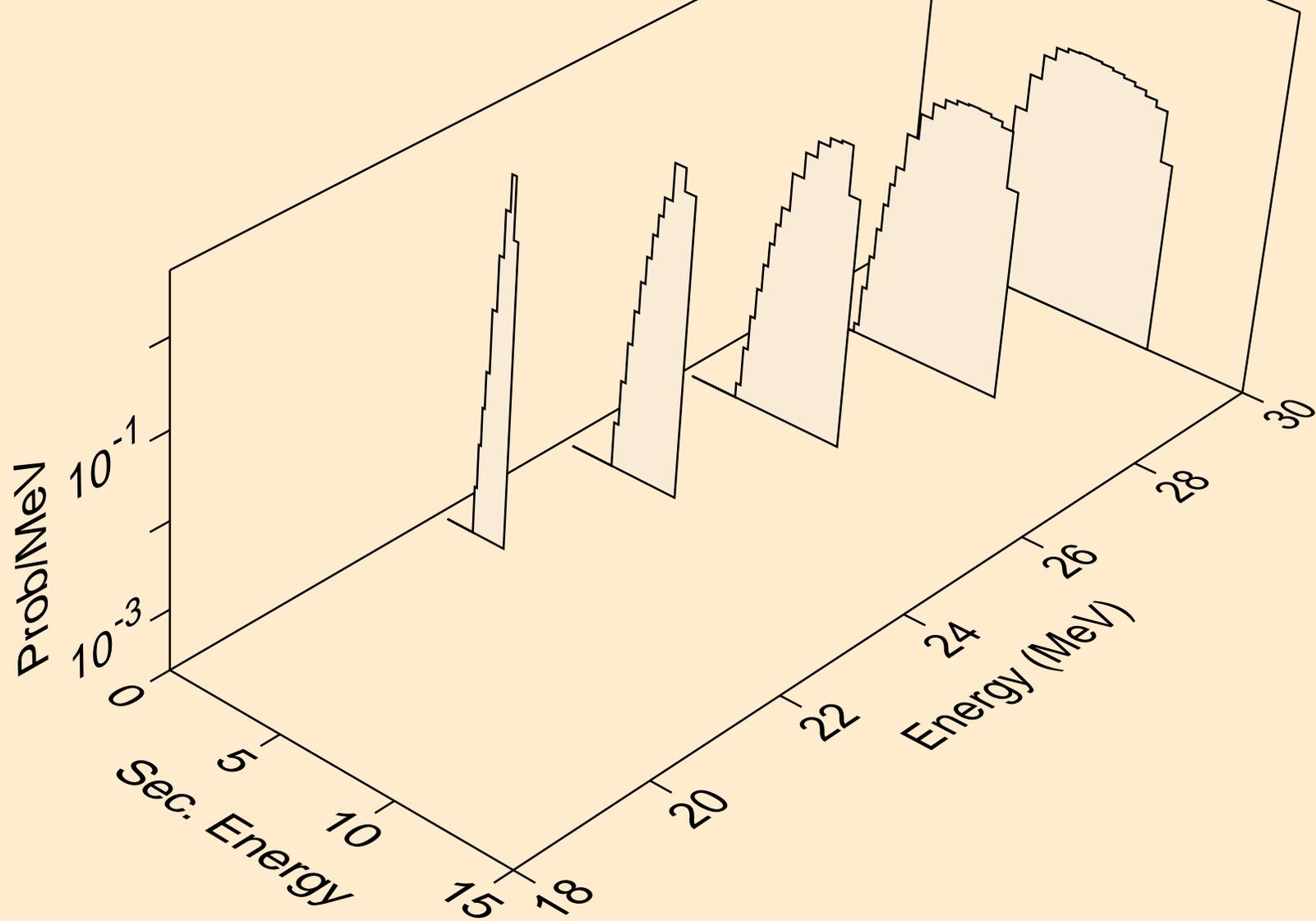deuterons from (g,n*)d

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
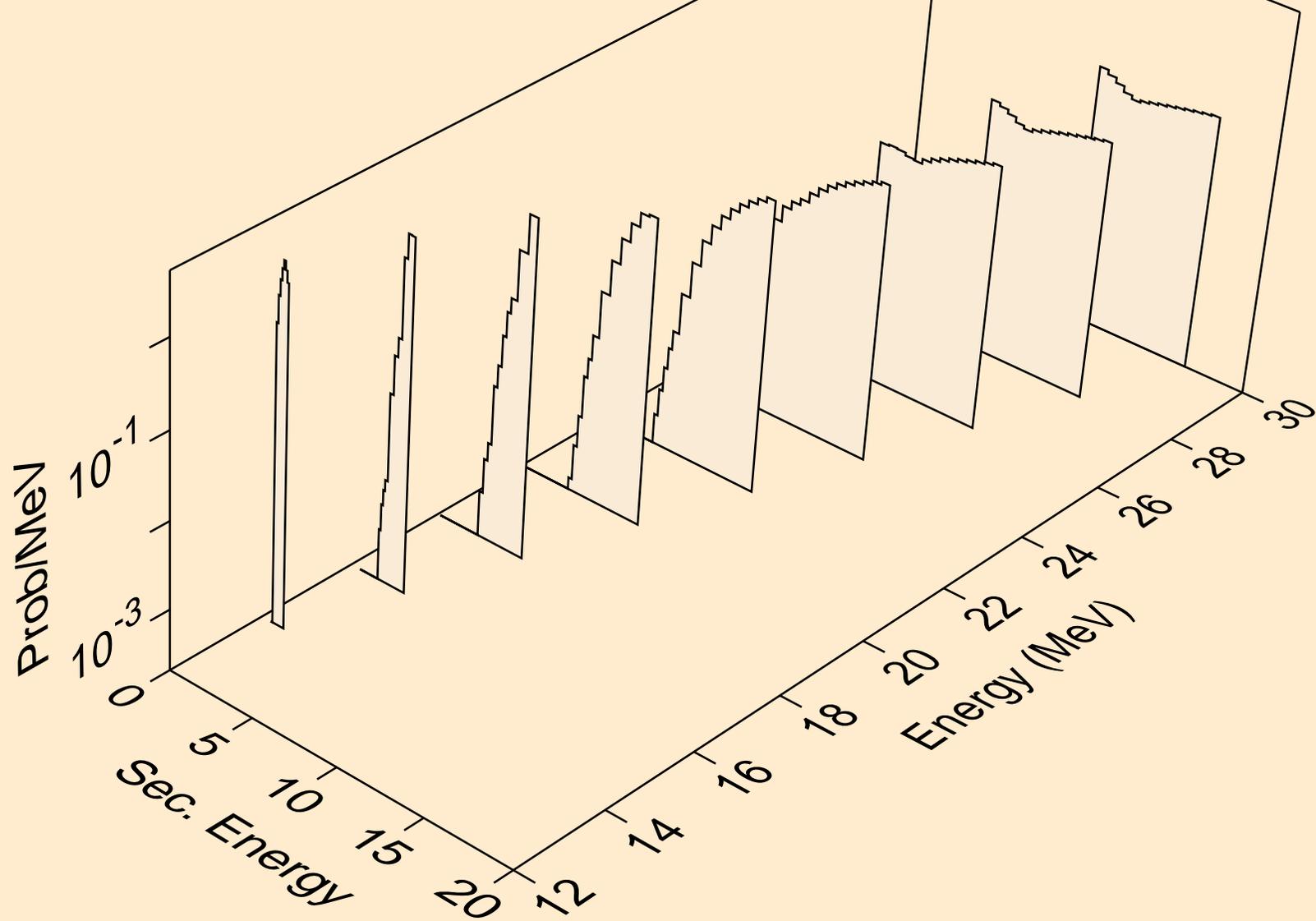deuterons from (g,d)

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
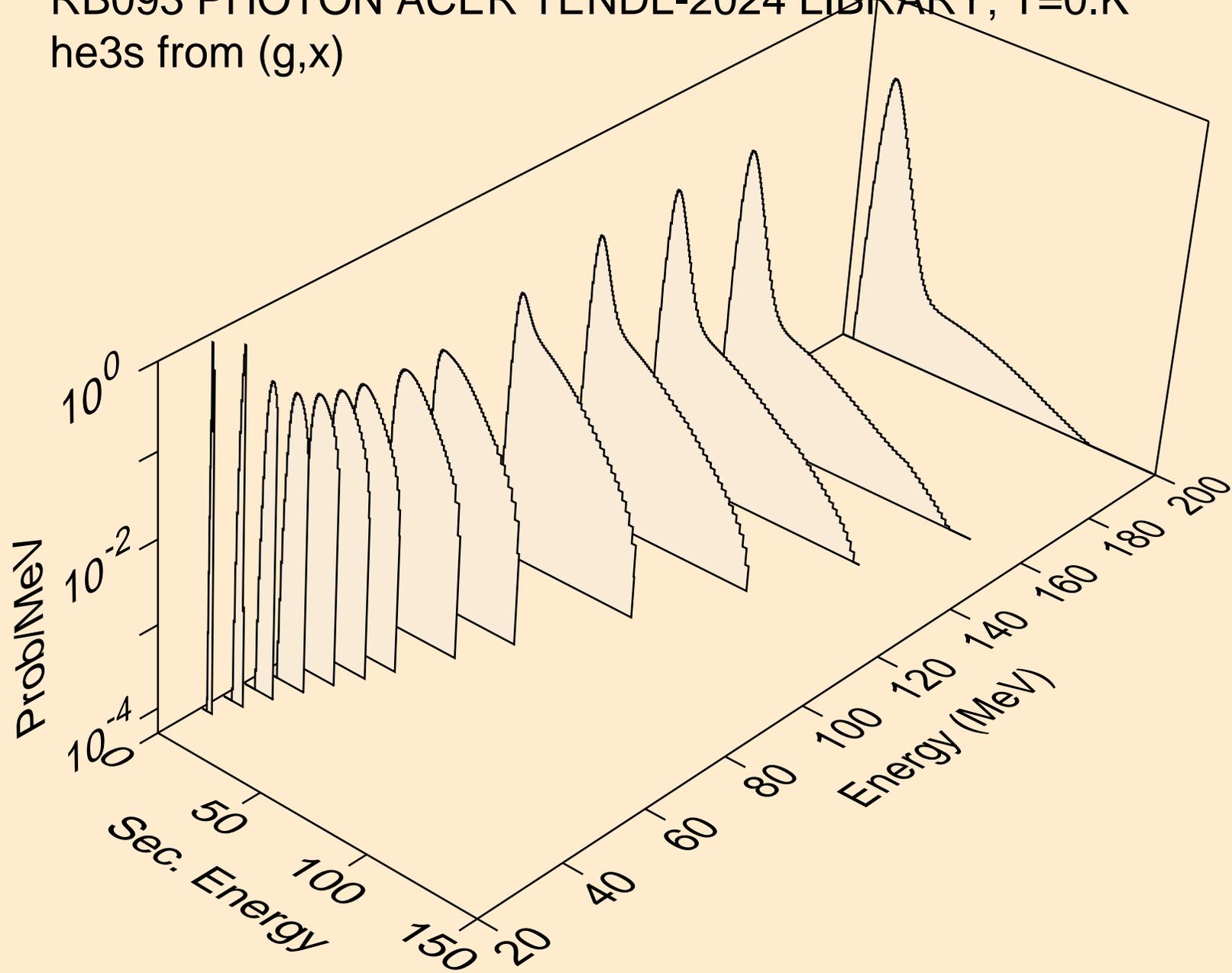tritons from (g,x)

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
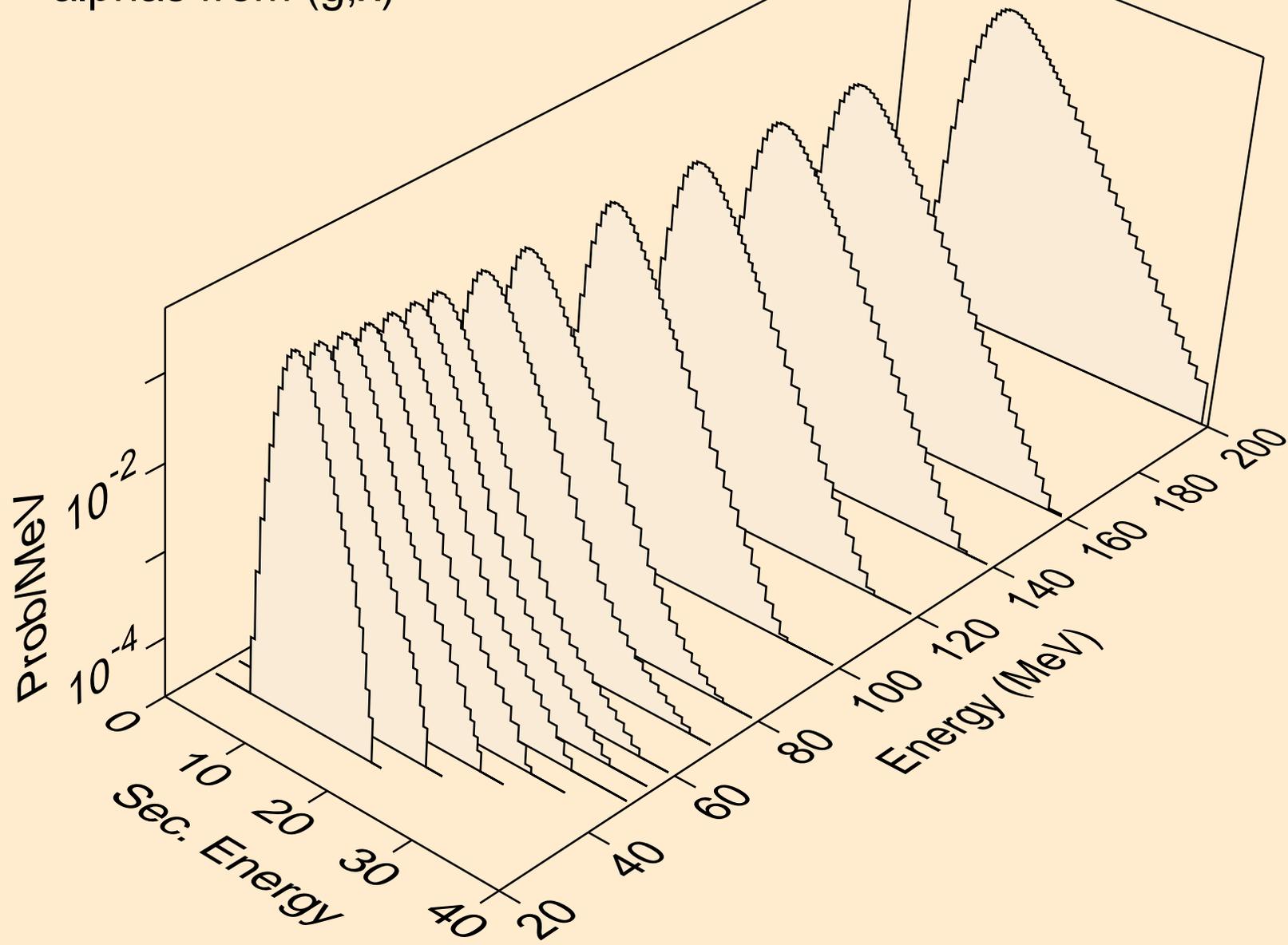tritons from (g,n*)t

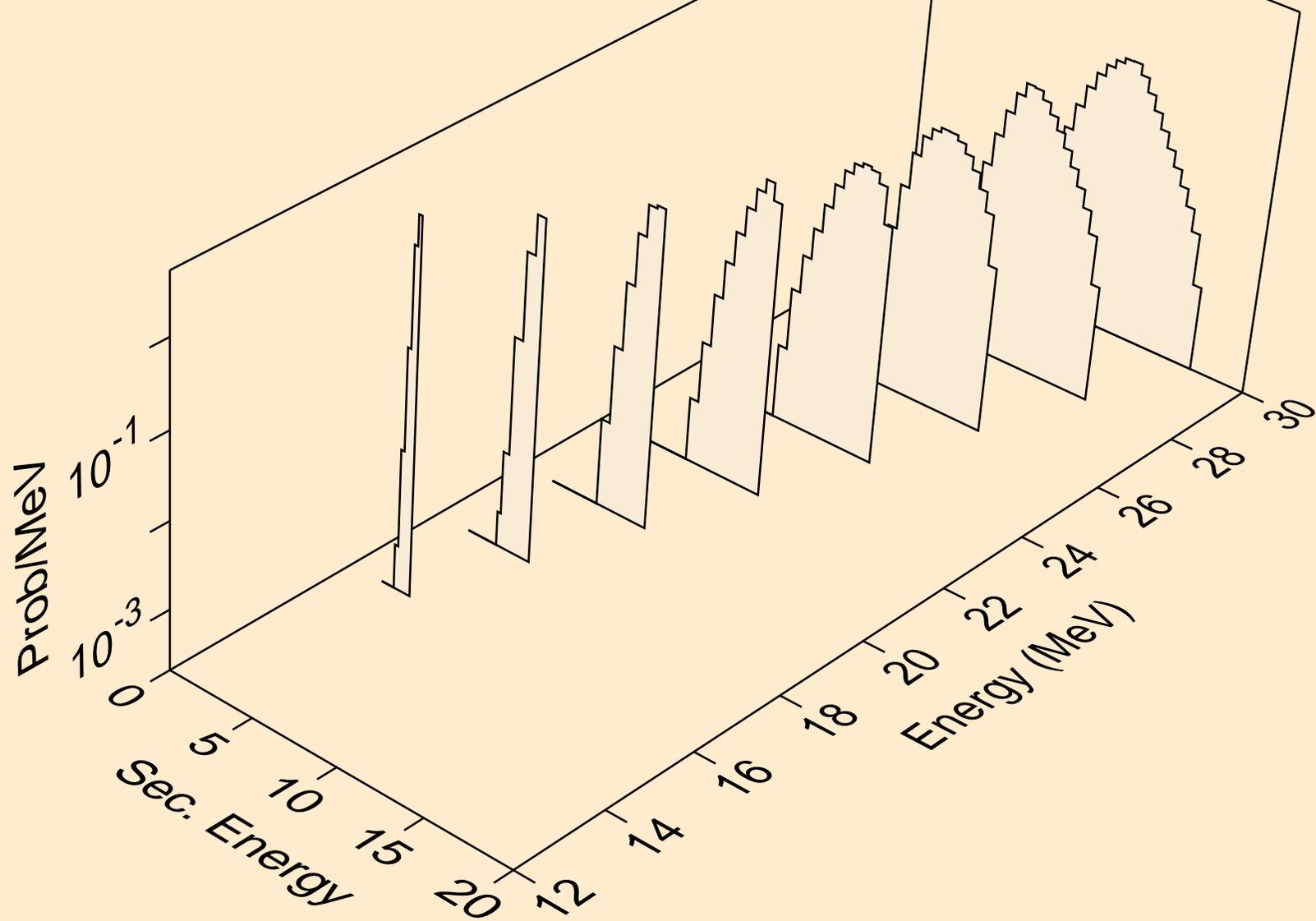RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
tritons from (g,t)

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
he3s from (g,x)

Prob/MeV

10^0

10^{-2}

10^{-4}

Sec. Energy

50

100

150

20

40

60

80

100

120
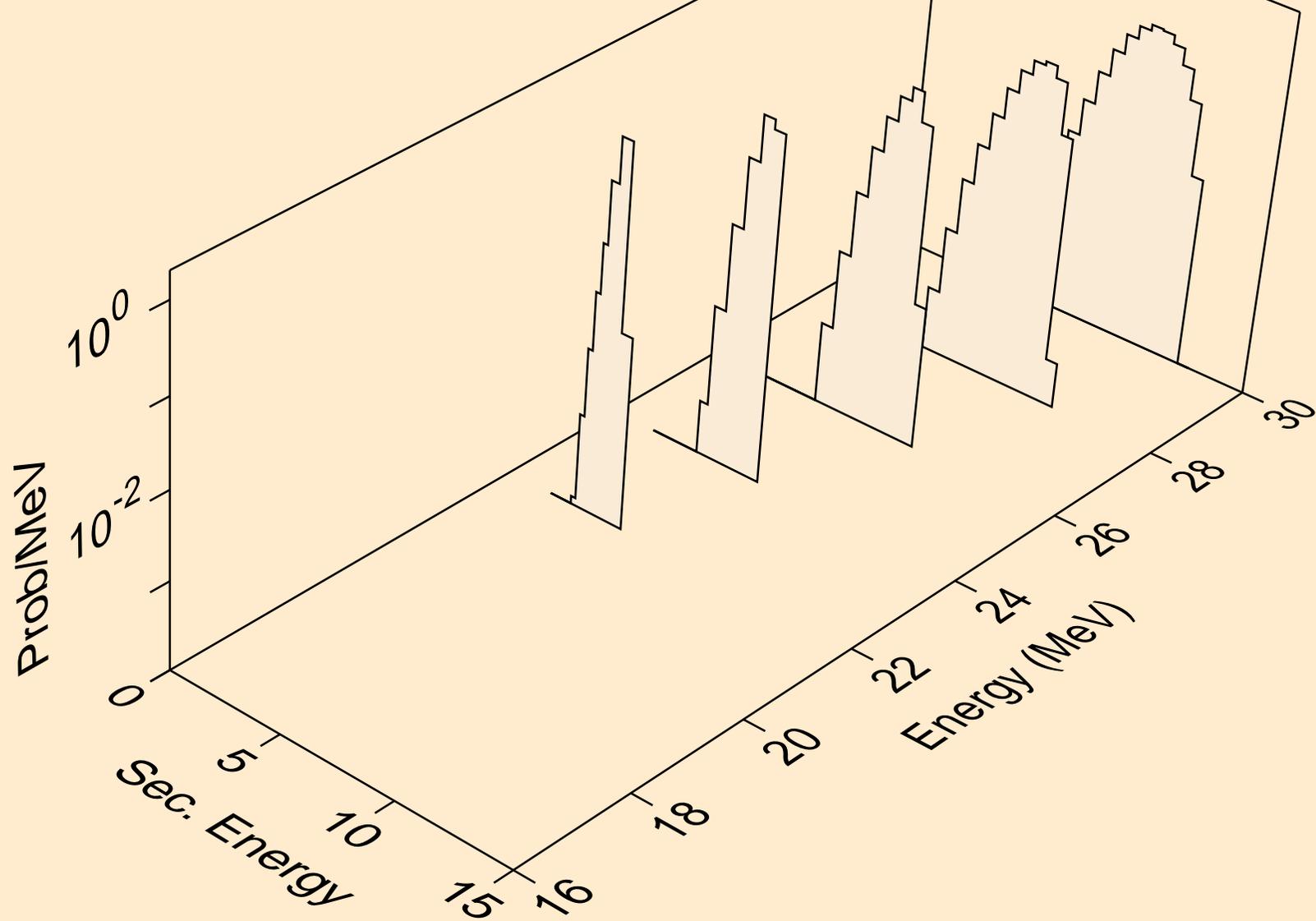
140

160

180

200

Energy (MeV)

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (g,x)

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (g,n*)a

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (g,2n)a

RB093 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (g,a)